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# California Gardening 1935

GERMAIN'S

in Los Angeles Since 1871

The Santa Maria Inn Gardens

## NEW CALENDULA SHAGGY

**Orange Colored Shaggy**

The new Calendula Orange Shaggy is a distinct new break in Calendulas. The petals are long, deeply fringed or laciniated. Row upon row of these informal petals overlap each other, forming a Chrysanthemum-like flower of surpassing beauty. In color it is a warm, deep orange comparable to the finest in this shade and makes a splendid companion to the popular new yellow Chrysantha. Per packet 25c; ¼ oz. $1.25.

## NEW POPPY ICELAND

**Santa Maria Inn Hybrids**

Developed at the famed Santa Maria Inn, known to travel and flower lovers of this and many other countries, this new hybrid strain is without a doubt the most beautiful and most colorful so far introduced. The flowers are of surprising size, carried on very tall, wiry stems and ideal for garden as well as cut flower use. Per packet 25c; 5 packets for $1.00.

## NEW ZINNIA FANTASY

**Quilled and Curled**

Fantasy is the most fascinating new Zinnia type introduced in years. The very informal flowers with their quilled and irregularly curled petals are graceful and interesting in the extreme. The colors are unusually bright in shades of red, yellow and orange. One of the most sensational novelties of the year. Per packet 20c; ⅛ oz. 75c.

## NEW GOURD MIXTURE

**Re-selected by Germain's**

For the past three years we have grown a large number of imported and domestic strains and varieties of gourds. During this period we have checked and carefully selected a number of the most interesting and ornamental among them, the seeds of which are now offered in a specially re-selected and blended mixture. Gourds with their fanciful forms and colors are extremely intriguing and highly deserving of their growing popularity. Per packet 25c; 5 packets for $1.00.

## NEW NASTURTIUM SCARLET GLEAM

**Double, Sweet Scented**

The greatest sensation since Golden Gleam, and a perfect match for that ever popular favorite. Scarlet Gleam is exactly similar to the older variety in size and habit, but is a rich, fiery scarlet in color. (For complete description see novelty section.) Per packet 25c; ¼ oz. 75c.

**Color Page Collection "B"**

One packet each of the five superb novelties described and illustrated on this page for—

**$1.00 Postpaid**

# THE ZINNIA *Queen of Summer Gardens*

## NEW POMPON OR LILLIPUT ZINNIAS

These small button-like Zinnias are a recent and valuable introduction. They are worthy of a place in any garden; dainty yet full of character, they strike a gay note wherever planted. Adaptable to window box or pot culture as well as patio and garden use. They enjoy the sun and succeed splendidly anywhere during the summer. Illustration—upper right.

4142 **DARK CRIMSON.** Deep crimson red.
4143 **GOLDEN GEM.** Bright yellow.
4145 **SCARLET GEM.** Bright scarlet.
4146 **WHITE GEM.** Pure white.
4148 **SALMON ROSE.** Clear rose.
4150 **LILLIPUT MIXED.**

**Price: Per packet 15c each; ¼ oz. 30c**
**COLLECTION: One packet each of the five colors for 60c**

## GERMAIN'S CALIFORNIA GIANTS

Real giants in size of flower as well as growth of the plant itself. Heavily branched they reach a height of 3 to 6 ft., and bear, throughout the summer large numbers of immense flowers; very double, the petals overlapping gracefully in true Zinnia style. Illustration—center right.

4165 **CERISE QUEEN.** Cerise rose.
4161 **LEMON QUEEN.** Lemon yellow.
4176 **BRIGHTNESS.** Bright pink.
4175 **DAFFODIL.** Canary yellow.
4162 **ORANGE KING.** Cadmium or burnt orange.
4163 **ORANGE QUEEN.** Golden orange.
4166 **ROSE QUEEN.** Rose pink, deep rose center.
4174 **VIOLET QUEEN.** Lavender violet.
4167 **SCARLET GEM.** Glowing scarlet.
4164 **PURITY.** Pure white.
4168 **CALIFORNIA GIANT MIXED.**

**Price: Per packet 15c each; ¼ oz. 35c**
**COLLECTION: One packet each of the eight named sorts for $1.00**

### GERMAIN'S BLAZE O'COLOR COLLECTION

This favorite assortment contains six separate full sized packets of giant flowered Zinnias and one package of plant food tablets. A 75c value for..... **50c**

## GERMAIN'S GOLD MEDAL DAHLIA-FLOWERED ZINNIAS

The most famous Zinnia in the world—awarded gold medal in London and Antwerp and many distinctions in this and other countries. As the name implies this magnificent strain produces deep centered flowers of huge size resembling the decorative dahlia. It is without doubt in the front rank of all summer flowering annuals. Illustration—lower right.

4087 **CANARY BIRD.** Primrose Yellow. Very large.
4088 **CRIMSON MONARCH.** The largest and best crimson.
4089 **DREAM.** Deep lavender or purple.
4091 **EXQUISITE.** Rose with darker center.
4092 **GOLDEN STATE.** Rich orange yellow.
4093 **ILLUMINATION.** Rich deep rose.
4095 **OLD ROSE.** A soft salmon rose.
4097 **POLAR BEAR.** Named after the white Dahlia "Polar Bear."
4098 **SCARLET FLAME.** Vivid scarlet.
4100 **DAHLIA-FLOWERED ZINNIAS** in choice mixture.

**Price: Per packet 15c each; ¼ oz. 35c**
**COLLECTION.** The entire collection of nine Dahlia-Flowered Zinnias, $1.15.

### GOLD MEDAL COLLECTION
### DAHLIA-FLOWERED ZINNIAS

The seed in this collection is specially grown for us by the originator of the **Dahlia-Flowered Zinnia.** It is, therefore, the finest strain in the world. Our large lithographed package contains many beautiful colors. A surprising value at..... **50c**

# Germain's Gladiolus

## RAINBOW COLLECTION

The tremendous popularity of this fine collection is fully justified. Each variety included is a prize winner and the selection presents every color known in Gladiolus. Each bulb carefully labeled.

**1. Mrs. Van Konynenburg.** The best blue Gladiolus, clear bluish violet. 10c each; $1.00 doz.

**2. Betty Nuthall.** Beautiful warm light coral, with pale orange throat. 10c each; $1.00 doz.

**3. Mrs. Leon Douglas.** A giant in size; gorgeous begonia rose flaked fiery scarlet. 10c each; $1.00 doz.

**4. Souvenir.** The most popular of all yellow Gladiolus. 10c each; $1.00 doz.

**5. Dr. F. E. Bennett.** Tall flame scarlet. 10c each; $1.00 doz.

**6. Sheila.** Large, tall growing bright salmon pink. 10c each; $1.00 doz.

**7. Copper Bronze.** One of the most unusual shades ever introduced, a rich copper-orange tinged with bronze. 15c each; 1.50 doz.

**8. Albatross.** Unquestionably the clearest white Gladiolus ever grown. 5 feet tall. Many flowers open at one time. The favorite white variety. 15c each; 1.50 doz.

**9. Minuet.** Wonderful clear lavender. Six wide open flowers at a time. 15c each; $1.50 doz.

**10. Scarlano.** Brilliant, striking orange red, large, finely formed blooms. Tall spike, excellent garden variety. 10c each; $1.00 doz.

**11. Orange Prince.** Bright orange, with carmine feather in throat. Large, well-formed flower, splendid for cutting. Makes a fine spike, vivid and showy. 10c each; $1.00 doz.

**12. Charles Dickens.** Exquisite shade of wine purple. Tall spike with flowers well placed, the best variety of this shade. Very effective with white or cream. 15c each; $1.50 doz.

**RAINBOW Collection Offer**

One Bulb of Each Variety
a $1.40 value for

**85c**

(Postpaid)

3 collections for
$2.00, postpaid

## BLETIA

**Rare Chinese Garden Orchid**

Charming mauve-violet orchid-shaped flowers, ideal for corsages, table decoration, etc. Thrive in partial shade in any garden.

1st size 50c each
3 for $1.25

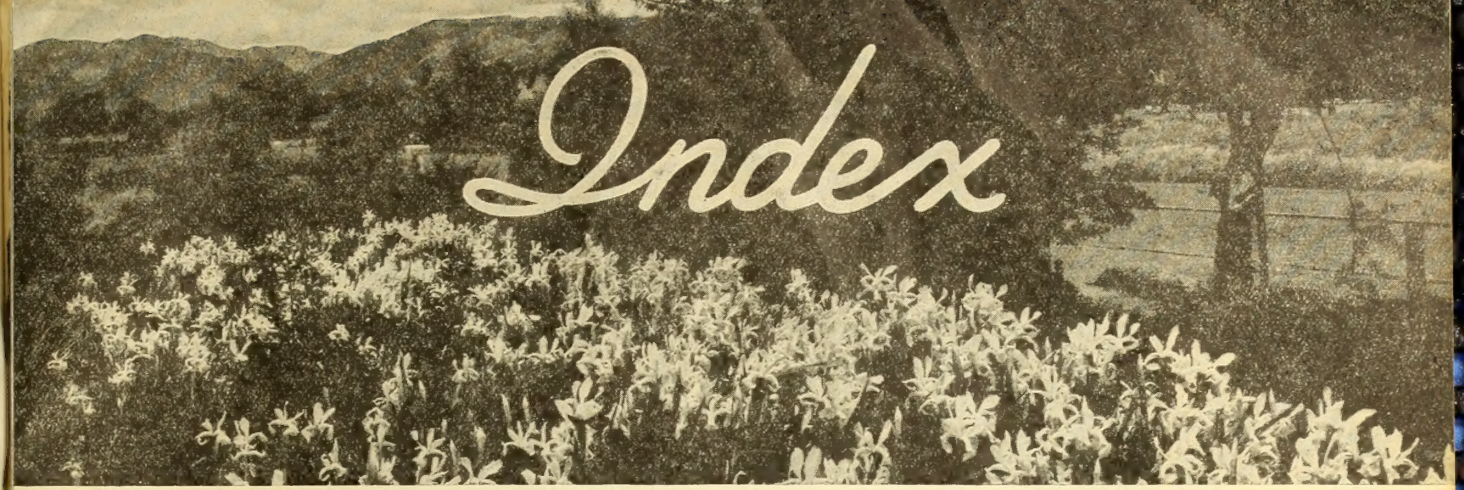
## PINK CALLA

A true Calla in miniature, reaching 1½ feet in height, of a warm carmine in color. Exceedingly rare. Semi-shade in the garden or pot culture.

1st size $1.00 each
3 for $2.50

2nd size 75c each
3 for $1.90

Both the above postpaid.





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# What to PLANT

### TALL ANNUALS
**For Backgrounds and Borders**

Amaranthus
Celosia Plumosa
Cosmos
Euphorbia
Hibiscus
Hollyhock
Larkspur
Lavatera
Lupinus
Marigold Australian
Nicotiana
Ricinus
Salvia Farinacea
Sunflower

### SHOWY FLOWERS
**For Beds and Massing**

African Daisy
Ageratum
Alyssum
Antirrhinum
Arctotis
Arnebia
Aster
Balsam
Bartonia
Begonia, Fibrous
Browallia
Calendula
Calliopsis
Candytuft
Carnation
Celosia
Chrysanthemum
Convolvulus Minor
Cosmos
Dahlia
Dianthus (Annuals)
Eschscholtzia
Gaillardia
Godetia
Helichrysum
Impatiens
Kochia
Lantana
Lobelia
Marigold
Marvel of Peru
Matricaria
Mignonette
Mimulus
Myosotis
Nasturtium (Dwarf)
Nemesia
Nigella
Oenothera
Pansy
Pentstemon
Petunia
Phlox Drummondi
Poppy
Portulaca
Salpiglossis
Salvia Splendens
Scabiosa
Schizanthus
Stocks
Verbena
Vinca
Wallflower
Zinnia

### CLIMBING ANNUALS
**For Arbors, Fences, Pergolas, etc.**

Balloon Vine
Canary Bird Vine
Cobaea
Convolvulus
Dolichos
Gourds
Hop (Japanese)
Ipomoea
Mina
Momordica
Moon Flower
Morning Glory
Nasturtium (Tall)
Thunbergia

### PERENNIAL CLIMBERS

Aristolochia
Bignonia
Clematis
Kudzu Vine
Lathyrus
Wistaria

### EVERLASTING OR STRAW FLOWERS
**For Winter Bouquets**

Acroclinium
Ammobium
Globe Amaranth
Helichrysum
Honesty
Physalis
Rhodanthe

### HARDY FLOWERING PERENNIALS
**For Permanent Beds and Borders**
**Taller Sorts**

Aquilegia
Campanula
Canterbury Bells
Chrysanthemum
Coreopsis
Delphinium
Digitalis
Gaillardia
Gypsophila
Hibiscus
Hollyhock
Lavender
Lupinus (Perennials)
Lychnis
Pentstemon
Platycodon
Poppy (Hardy)
Primrose (Hardy)
Scabiosa Caucasica
Sweet Rocket
Tritoma
Wallflower

### DWARFER SORTS

Achillea
Alyssum (Hardy)
Anemone
Candytuft (Hardy)
Carnation
Cerastium
Dianthus (Hardy)
Myosotis
Platycodon
Polyanthus
Shasta Daisy
Sweet William
Viola

### FRAGRANT FLOWERS

Alyssum
Candytuft
Carnation
Dianthus
Heliotrope
Lavender
Mignonette
Nicotiana Affinis
Polyanthus
Scabiosa
Stocks
Sweet Pea
Sweet Rocket
Sweet Sultan
Sweet William
Violet
Wallflower

### PLANTS SUCCEEDING IN SHADY PLACES

Anemone
Antirrhinum
Aquilegia
Begonia (Tuberous)
Bellis
Canterbury Bells
Coreopsis
Delphinium
Digitalis
Godetia
Lobelia
Matricaria
Mimulus
Myosotis
Nemophila
Oenothera
Polyanthus
Pansy
Poppy (Hardy)
Primrose (Hardy)
Schizanthus
Viola

### GOOD CUT FLOWERS

Aquilegia
Arctotis
Aster
Calliopsis
Candytuft
Carnation
Centaurea
Chrysanthemum
Clarkia
Coreopsis
Cosmos
Dahlia
Delphinium
Dianthus
Gaillardia
Gypsophila
Larkspur
Marigold
Matricaria
Mignonette
Pentstemon
Poppy
Salpiglossis
Scabiosa
Snapdragon
Stocks
Sweet Pea
Sweet Sultan
Zinnia

### FLOWERS FOR EDGINGS

Ageratum (Dwarf)
Alyssum Compacta
Begonia
Bellis
Dusty Miller
Globe Amaranth
Lobelia
Marigold (Dwarf)
Petunia
Phlox
Pinks
Portulaca
Pyrethrum Aureum
Zinnia, Dwarf

### COLORED FOLIAGE PLANTS

Amaranthus
Canna
Dusty Miller
Coleus
Corn Rainbow
Kochia
Pyrethrum Aureum
Ricinus

### PLANTS FOR CONSERVATORY
**Pot and Window Culture**

Begonia
Browallia
Calceolaria
Cineraria
Coleus
Cyclamen
Gloxinia
Heliotrope
Impatiens
Mimulus
Primula
Schizanthus

**Plants for Rock Gardens and Gardens by the Sea—See Page 20**

## The Most Interesting Store in America

# INTERESTING FACTS ABOUT GERMAIN'S

GERMAIN'S, the largest seed house in the west, is also the most progressive.

Realizing at an early date the important part that California was destined to play in the development of the seed and nursery industries in America, Germain's took the lead and was one of the first to grow and distribute Sweet Peas and other California grown flower and vegetable seeds in the United States.

### HELPFUL BOOK FOR GARDENERS

As far back as 1890, Germain's catalog was one of the most complete published on this continent and included not only flower and vegetable seeds but a complete assortment of domestic and imported field seeds, bulbs, plants, roses, fruit trees, etc.

It soon became known as a dependable guide to California gardening and the name "California Gardening" has since been adopted as the permanent title of our catalogue. The circulation of "California Gardening" is not, however restricted to California, far from it. On the first of each year, thousands of copies are forwarded to our customers in all parts of North and South America and to almost every nation in Europe, Australia, South Africa and the Far East.

### IN LOS ANGELES SINCE 1871

The growth of Germain's in Los Angeles, has paralleled that of the town itself. Founded in 1871, the business occupied but one small store near the old Plaza. As the town grew and expanded southward, the business increased requiring larger premises. Three times in the intervening years it became necessary to move the retail and wholesale establishments to more spacious quarters.

At present, the general offices and wholesale warehouses occupy seven floors of the new Terminal Building near Seventh and Central avenues and the retail store is located on the main floor of the Kerckhoff Building at Sixth and Main Streets.

### THE NURSERY AND TEST GROUNDS

The nursery and green houses and our Valley seed store are situated in the San Fernando Valley, midway between North Hollywood and Van Nuys. Here a complete line of roses, perennial plants, bedding and pot plants are available and thousands of our customers visit the nurseries each month. The seed testing grounds are located nearby, and systematic tests of vegetables and flowers are conducted practically the year around, since many varieties mature quite readily here in winter.

### CAMARILLO BULB RANCH

For the propagation and growing of bulbs and tender plants, a ranch has been acquired in the frostless belt along the foothills near Camarillo. Freesias, Amaryllis, Callas, Gladiolus, Dahlias and many other bulbous plants thrive exceedingly well in this location. A visit to our Camarillo Ranch during the blooming season will be well repaid by the magnificent sight.

### GERMAIN'S RETAIL STORE

We have been told by eastern visitors that Germain's retail store at Sixth and Main Streets in Los Angeles is the most interesting store of its kind in America. It is a rendezvous of California garden and nature lovers, for not only does it afford the most complete and up-to-date assortment of seeds, nursery stock and garden requisites, but it includes also the largest and best appointed bird and pet shop in the southwest. It is no wonder, therefore, that the garden minded and home loving delight to congregate at Germain's, and, to our readers and friends from more distant parts, we wish to extend an invitation to visit our store, nursery and bulb grounds whenever you may be passing through Los Angeles.

A cordial welcome always awaits you at GERMAIN'S.

### RELIEF ORDERS FOR SEEDS ACCEPTED

We will accept relief orders for seeds, when issued by any state, county or city relief agency or office, in exchange for vegetable seeds at prices named in this catalog. The relief order you send in payment for seeds should state that it is for seeds only; must be on printed form of the relief office; must have written or printed on it the amount it is good for in dollars and cents and be signed by the authorized relief agent. The printed form should show that it is issued by state, county or city relief office and signed by the authorized relief officer and should also be signed by the person ordering the seed in the place for signing for receipt of the seeds. Seeds selected must be vegetable seeds only and no quantity larger than one pound of any one variety will be supplied on these orders.

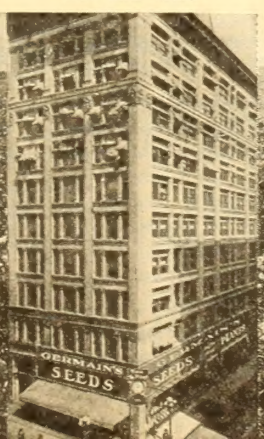
Retail Nursery Department

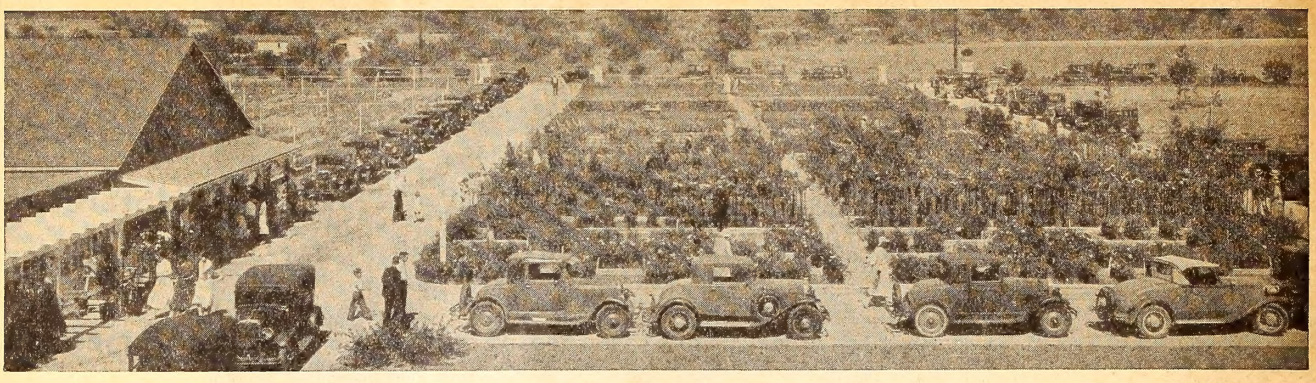
Germain's Roses by the Acre

Retail Store, 6th and Main

Bulb Fields at Camarillo

Test Grounds at Van Nuys





Partial View of Our Valley Nursery and Seed Store

# *Visit Our Nursery In Van Nuys*

### 12 ACRES OF SHRUBS, PLANTS AND FLOWERS

You will be delighted by a visit to the new Germain nursery and seed store in North Hollywood. Besides a complete line of bulbs and seeds, there are on hand plants, shrubs, roses and trees in various stages of growth, ready to plant for the beautification of your home or estate.

### RARE PLANTS FROM ALL OVER THE WORLD

Rare flora from many parts of the world thrive in our Southern California climate. Through their world-wide connections Germain's can offer these exotic plants and shrubs for your selection. See them growing at the new nursery.

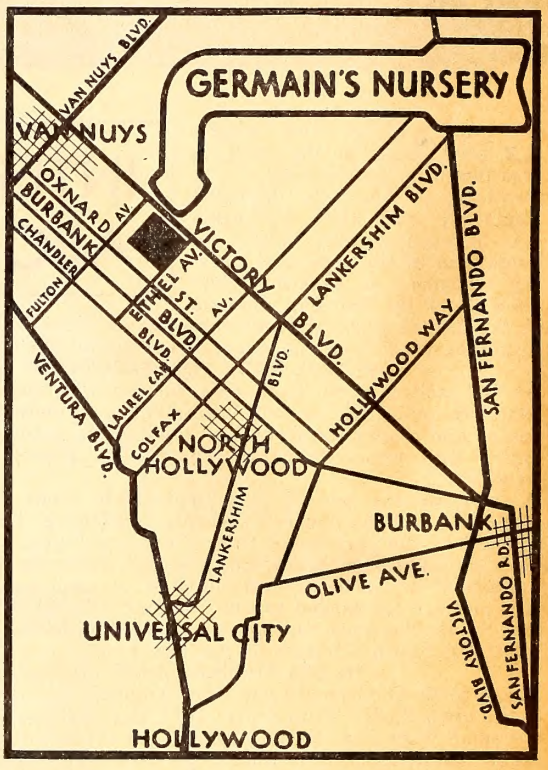
### A COMPLETE LINE

No matter what you are going to plant, you will find the seed, seedling, bulb, plant, or tree at Germain's, and there is a complete representation of Germain's stock at the North Hollywood nursery and seed store.

NRA MEMBER U.S. WE DO OUR PART

# GERMAIN'S

GERMAIN SEED AND PLANT CO




### How to Get There

The above map shows how conveniently located is the new nursery and seed store in North Hollywood. From Los Angeles, the motorist can choose the closest way from his home—San Fernando Road, Victory Blvd., or Ventura Blvd.

# *How to* ORDER BY MAIL—*from* GERMAIN'S

Use the order sheet enclosed in catalogue if possible. In the space reserved for address, write plainly your name, postoffice, nearest express or freight office (if different from post office), County and State. Keep a duplicate copy of your order for comparison. Remittances may be made by Express Money Order, P. O. Money Order or Bank Draft; if you remit in stamps or cash, send in a Registered letter. We must decline sending goods C. O. D. unless 25 per cent of their value accompanies the order.

## Free Delivery for Certain Quantities of Seeds

We deliver free, in the United States and possessions, and Mexico, by parcel post or express at our option, all vegetable and flower seeds by the packet, ounce and ¼ pound, and up to and including ten pounds. All other articles, including bulbs, are priced F.O.B. Los Angeles, and will be forwarded express collect or, if desired by parcel post, postage must be added as per the following table.

**Parcel Post.** Shipments of seeds, bulbs, tools, plants and garden supplies (excepting certain insecticides containing poisons and all liquids) may be sent by mail to all parts of the United States. We advise forwarding all small orders and packages up to 20 lbs. in this way.

**Parcel Post Rates Within U. S. and Possessions from Los Angeles, Calif.**

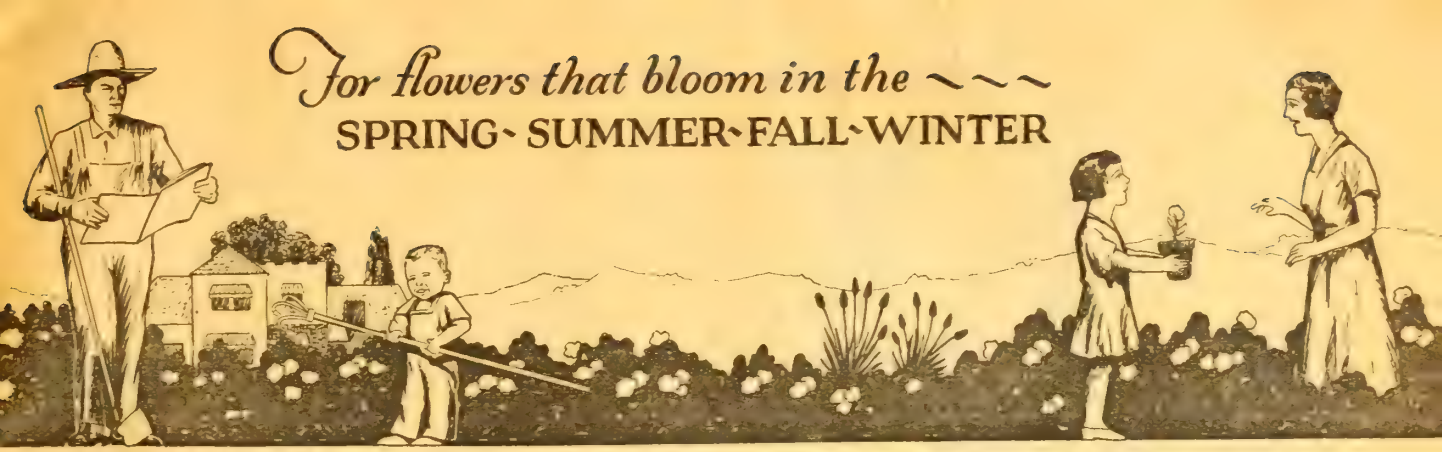
| Zone | Distance from Los Angeles | 1st Lb. or Fraction | Each Ad'tion'l Lb. or Fraction |
|---|---|---|---|
| 1st. | Within 50 miles | 7c | 1c |
| 2nd. | 50-150 miles | 7c | 1c |
| 3rd. | 150-300 miles | 8c | 2c |
| 4th. | 300-600 miles | 8c | 4c |
| 5th. | 600-1000 miles | 9c | 6c |
| 6th. | 1000-1400 miles | 10c | 8c |
| 7th. | 1400-1800 miles | 12c | 10c |
| 8th. | All over 1800 miles | 13c | 12c |

Packages of seed weighing 8 oz. or less can be forwarded anywhere in the United States at a cost of 1c for each 2 ozs., or fraction thereof.

**Insurance Extra.** 5c for each package up to $5, 8c up to $25, 10c up to $50.

Like all reputable seed houses Germain's has adopted the standard "non-warranty" clause of the American Seed Trade Association.

**Non-Warranty.** The Germain Seed and Plant Company gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.




## GERMAIN'S FLOWER PLANTING CHART

| Names | Time to Plant | Principal Bloom |
|---|---|---|
| Gaillardia | All Year | Sum. & Fall |
| Godetia | Jan. to May | Sp. & Sum. |
| Gypsophila | All Year | All Year |
| Helichrysum | Feb. to May | Summer |
| Hollyhocks | Sep. to Jan. | Sum. & Fall |
| Kochia | Feb. to May | ..... |
| Larkspur | All Year | Sp. & Sum. |
| Linum | Sep. to May | Sp. & Sum. |
| Lobelia | Apr. & May | Sp. & Sum. |
| Lupinus | All Year | Spring |
| Marigold | Feb. to May | Sum. & Fall |
| Mignonette | All Year | Win. & Sp. |
| Moon-flower | Feb. to May | Summer |
| Morning Glory | Feb. to May | Summer |
| Nasturtium | All Year | Sp. & Fall |
| Pansies | All Year | Win. & Sp. |
| Pentstemon | Sep. to Nov. | Sp. & Fall |
| Petunia | Sep. to Jun. | Sp. & Fall |
| Phlox | All Year | Sp. & Sum. |
| Poppy | Feb. to May | Sp. & Sum. |
| Portulaca | Apr. to Jun. | Summer |
| Rhodanthe | Sep. to May | Summer |
| Salpiglossis | Sep. to Jun. | Summer |
| Salvia | Feb. to May | Sum. & Fall |
| Scabiosa | Mar. to Jun. | Sum. & Fall |
| Schizanthus | Feb. to May | Summer |
| Snapdragon | Sep. to Jan. | Spring |
| Statice | Sep. to May | Sp. & Sum. |
| Stocks | All Year | Win. & Sp. |
| Sweet Pea | All Year | Win. & Sp. |
| Sweet William | Sep. to Feb. | Summer |

| Names | Time to Plant | Principal Bloom |
|---|---|---|
| Abronia | Apr. to Jun. | Spring |
| Acroclinium | Sep. to Jun. | Summer |
| Ageratum | Oct. to May | Summer |
| Alyssum | All Year | All Year |
| Amaranthus | Apr. to Jun. | Summer |
| Aquilegia | Sep. to Jan. | Summer |
| Arctotis | Apr. to Jun. | Summer |
| Asters | Feb. to May | Sum. & Fall |
| Balsam | Feb. to Jun. | Summer |
| Bellis | Aug. to Nov. | Spring |
| Calendula | All Year | All Year |
| Calliopsis | All Year | Sp. to Fall |
| Campanula | Aug. to Dec. | Summer |
| Candytuft | All Year | Sp. & Fall |
| Carnation | Apr. to Sep. | Sum. & Fall |
| Celosia | Apr. to Jun. | Sum. & Fall |
| Centaurea | All Year | Sum. & Fall |
| Chrysanthemum (Annual) | Oct. to Apr. | Summer |
| Clarkia | Jan. to May | Summer |
| Coreopsis | All Year | Summer |
| Cosmos | Feb. to Jun. | Sum. & Fall |
| Cypress Vine | Mar. to May | Summer |
| Dahlia | Apr. to Jun. | Fall |
| Daisy, Shasta | Sep. to May | Summer |
| Delphinium | Sep. to Nov. | Sum. & Fall |
| Dianthus | Apr. to Jun. | Sum. & Fall |
| Digitalis | Sep. to Mar. | Sum. & Fall |
| Dimorphotheca | All Year | Win. & Sp. |
| Eschscholtzia | All Year | Sp. & Sum. |
| Forget-Me-Not | Sep. to Nov. | Summer |
| Four o'Clock | All Year | Sum. & Fall |

| Names | Time to Plant | Principal Bloom |
|---|---|---|
| Verbena | All Year | Sum. & Fall |
| Viola | Sep. to Dec. | Win. & Sp. |
| Wallflower | Sep. to Feb. | Win. & Sp. |
| Zinnia | Mar. to Jun. | Sum. & Fall |
| Anemone | Aug. to Mar. | Early Spring |
| Amaryllis | Aug. to Mar. | Summer |
| Begonia (Tub.) | Feb. to May | Summer |
| Caladium | Dec. to Feb. | |
| Calla Lily | Aug. to Feb. | Win. & Sp. |
| Calla Yellow | Dec. to Apr. | Sp. & Sum. |
| Chinese Sac. Lily | Aug. to Jan. | Win. & Sp. |
| Daffodil | Oct. to Jan. | Early Spring |
| Dahlia | Mar. to Jun. | Sum. & Fall |
| Freesia | Aug. to Nov. | Win. & Sp. |
| Gladiolus | Sep. to May | Sp. & Sum. |
| Hyacinth | Oct. to Jan. | Early Spring |
| Iris, Spanish | Sep. to Dec. | Spring |
| Iris, German | All Year | Win. & Sp. |
| Ismene | Sep. to Apr. | Summer |
| Ixia | Aug. to Nov. | Spring |
| Ornithogalum | Aug. to Jan. | Early Spring |
| Lilies | Sep. to Apr. | Sp. & Sum. |
| Montbretia | Sep. to Jan. | Summer |
| Narcissus | Aug. to Jan. | Win. & Sp. |
| Ranunculus | Aug. to Apr. | Win. & Sp. |
| Sparaxis | Aug. to Jan. | Spring |
| Tritonia | Sep. to Dec. | Spring |
| Oxalis | Aug. to Nov. | Win. & Sp. |
| Tuberoses | Dec. to Apr. | Summer |
| Tulips | Oct. to Jan. | Early Spring |
| Watsonia | Aug. to Nov. | Early Spring |
| Zephyranthes | Sep. to Jan. | Sp. & Sum. |

## THE FLOWER GARDEN MONTH BY MONTH

### WHAT TO PLANT IN:

(Note: Varieties preceded by X sow seeds in flats and transplant)

### JANUARY

**Seeds**—Acroclinium, Alyssum, X Antirrhinum, X Aquilegia, Bartonia, Calendula, Calliopsis, Candytuft, Centaurea, Annual Chrysanthemums, Clarkia, X Delphinium, Godetia, X Larkspur, Lupin, Mignonette, Nigella, X Phlox, Poppies, California Poppy, Scabiosa, Schizanthus, Sweet Peas.
**Bulbs**—Amaryllis, Anemone, Gladiolus, Ismene, Liliums, Ranunculus, Tuberoses, Tuberous Begonia.

### FEBRUARY

**Seeds**—Acroclinium, African Daisy, X Agathea, X Ageratum, Alyssum, X Aquilegia, X Asters, Bartonia, X Begonia, Calendula, Calliopsis, Candytuft, Centaurea, Clarkia, X Coreopsis, Early Flowering Cosmos, California Poppy, Dahlia, X Delphinium, X Gaillardia, X Godetia, Gypsophila, X Hollyhock, Hunnemannia, Larkspur, Linaria, Linum, X Lobelia, Lupins, Mignonette, X Myosotis, Nasturtium, X Nemesia, Nemophila, Nigella, X Pentstemon, X Petunia, X Perennial Poppies, Poppies, Phlox, Salpiglossis, Schizanthus, Scabiosa, X Shasta Daisy, X Stocks, Sweet Peas, X Viola Cornuta, and Wildflower Mixture, Lawn Grasses.
**Bulbs**—Amaryllis, Caladium, Gladiolus, Liliums, Tigridias, Tuberoses, Tuberous Begonia.

### MARCH

**Seeds**—Acroclinium, Ageratum, Alyssum, Amaranthus, X Aquilegia, Arctotis, X Asters, Balsam, Bartonia, X Begonia, X Bellis, Brachycome, Calendula, Calliopsis, Candytuft, X Canterbury Bells, X Carnation, Celosia, Centaurea, Clarkia, X Coleus, X Coreopsis, Early Flowering Cosmos, Dahlia, Painted Daisy, Daisies, X Daisy, X Delphinium, X Didiscus, Four o'Clock, X Gaillardia, X Gerbera, X Geum, Gilia, Gomphrena, Gypsophila, Helichrysum, X Heliotrope, Hunnemannia, Kochia, Larkspur, Linum, X Lobelia, Lupin, Marigold, X Matricaria, Mignonette, Nasturtium, X Nemesia, Nemophila, X Nicotiana, Nigella, X Pentstemon, X Petunia, Phlox, Salpiglossis, X Salvia, Scabiosa, Schizanthus, X Shasta Daisy, X Statice, X Stocks, Sunflower, Sweet Peas, X Sweet William, X Verbena, X Viola, Vine Seeds, X Vine Seeds, X Wallflower, Lawn Grasses.
**Bulbs**—Cannas, Dahlias, Gladiolus, Tuberoses.

### APRIL

**Seeds**—Abronia, Acroclinium, Ageratum, Amaranthus, Arctotis Grandis, X Asters, Balsam, Candytuft, Calendula, Calliopsis, X Carnation, Celosia, Centaurea, Early Cosmos, Dahlia Seed, X Delphinium, X Didiscus, X Geum, X Gerbera, Gypsophila, Helichrysum, Hunnemann'a, Kochia, Larkspur, X Lobelia, X African Marigold, African Marigold, Mathiola, Mignonette, X Nicotiana, Nicotiana, Nigella, Nasturtium, Oenothera, Painted Daisy, Petunia, X Petunia, Phlox Drumondii, Portulaca, X Primula, Rhodanthe, X Salvia, Salpiglossis, Scabiosa, X Statice, X Stocks, Sunflower, Valeriana, X Verbena, Verbena, Vine Seeds, Wallflower, Zinnia, Lawn Grasses.
**Bulbs**—Cannas, Dahlia, Gladiolus, and Tuberoses.

### MAY

**Seeds**—Abronia, Ageratum, Alyssum, Amaranthus, Arctotis Grandis, X Asters, Balsam, Candytuft, Calliopsis, X Carnation, Celosia, Centaurea, Cosmos, X Delphinium, X Dianthus, X Gaillardia, X Geum, X Gomphrena, Gypsophila, Helichrysum, Hunnemannia, Larkspur, X Lobelia, African Marigold, X Matricaria, Mignonette, Nasturtium, X Nicotiana, Nigella, Oenothera, X Petunia, Phlox Drumondii, Painted Daisy, Portulaca, X Salvia, Salpiglossis, Scabiosa, X Schizanthus, X Statice, Steyia, Sunflower, Vine Seeds, Zinnia, Lawn Grasses.
**Bulbs**—Canna, Dahlia, Gladiolus.

### JUNE AND JULY

**Seeds**—Calendula, Candytuft, X Cineraria, Late Cosmos, Centaurea, Daisies, X Delphinium, Gypsophila, African Marigold, Nasturtium, Phlox, Portulaca, Salpiglossis, Vine Seeds, Zinnia.
**Bulbs**—Gladiolus.

### AUGUST

**Seeds**—X Aquilegia, X Antirrhinum, Calendula, X Carnation, X Canterbury Bells, Centaurea, X Coreopsis, X Cineraria, Early Cosmos, X Delphinium, X Digitalis, X Forget-Me-Not, X Gaillardia, Gypsophila, X Hollyhock, French Marigold, Nasturtium, X Pansy, X Pentstemon, X Perennial Poppies, X Phlox, Phlox, X Shasta Daisy, X Stocks, Salpiglossis, Winter Flowering Sweet Peas, X Verbena, X Viola, X Wallflower, Zinnia.
**Bulbs**—Calla, Freesia, German Iris, Ornithogalum, Oxalis, Ranunculus.

### SEPTEMBER

**Seeds**—X Aquilegia, X Antirrhinum, Bartonia, Calendula, X Canterbury Bells, X Carnation, Centaurea, X Cineraria, X Coreopsis, Early Cosmos, X Daisies, X Delphinium, X Digitalis, Dimorphotheca, X Forget-Me-Not, X Gaillardia, X Geum, Gypsophila, X Hollyhock, Larkspur, Linum, French Marigold, Nasturtium, Nemesia, X Pansy, X Pentstemon, X Petunia, X Phlox, All Poppies, X Pyrethrum, Salpiglossis, X Scabiosa, X Stocks, Winter Sweet Peas, X Verbena, X Viola, X Wallflower, Wildflower Mixture.
**Bulbs**—Allium, Anemone, Baby Glads, Calla, Dutch and German Iris, Freesia, Lilium Candidum, Ornithogalum, Oxalis, Ranunculus, and Watsonia.

### OCTOBER AND NOVEMBER

Seeds—Acroclinium, Alyssum, X Aquilegia, X Antirrhinum, Bartonia, California Poppy, Calendula, Candytuft, X Canterbury Bells, X Carnation, Centaurea Clarkia, X Coreopsis, X Double Daisy, X Delphinium, X Digitalis, X Dimorphotheca, X Forget-Me-Not, X Gaillardia, X Gerbera, X Geum, Godetia, Gypsophila, X Hollyhock, Larkspur, Linum, Lupin, French Marigolds, Mignonette, Nemesia Nemophila, Nigella, Painted Daisy, X Pansy, X Pentstemon, X Petunia, X Phlox All Poppies, X Pyrethrum, Ranunculus, X Scabiosa, Schizanthus, X Shasta Daisy, X Stocks, Winter Flowering Sweet Peas, X Sweet William, X Wallflower, X Verbena, X Viola, Lawn Grasses
**Bulbs**—Anemones, Amaryllis, Baby Glads, Callas, Crocus, Dutch and German Iris Freesias, Hyacinths, Easter Lilies, Ixias, Narcissus, Native California Bulbs Oxalis, Ranunculus, Sparaxis, Tulips, Watsonias.

### DECEMBER

**Seeds**—Acroclinium, Alyssum, X Aquilegia, X Antirrhinum, Bartonia, Calendula, Calliopsis, Candytuft, Clarkia, Annual Chrysanthemums, California Poppy, Dianthus, X Larkspur, Lupin, Mignonette, Nemesia, Nigella, X Pansy, X Phlox, Poppies, Schizanthus, Standard Sweet Peas, X Stocks, Lawn Grasses.
**Bulbs**—Amaryllis, Callas, Gladiolus, Hyacinths, Lilies, Narcissus, Ranunculus, and Tulips.

# GERMAIN'S *New* SPECIALTIES AND NOVELTIES FOR 1935

We are exceptionally fortunate in being able to present in this section of our Catalogue some of the most outstanding New Flower creations developed in many years. For more than three score years, Germain's has specialized in the production and dissemination of new and improved strains of flower seeds and has taken a prominent part in making California the foremost flower seed growing section in the world.

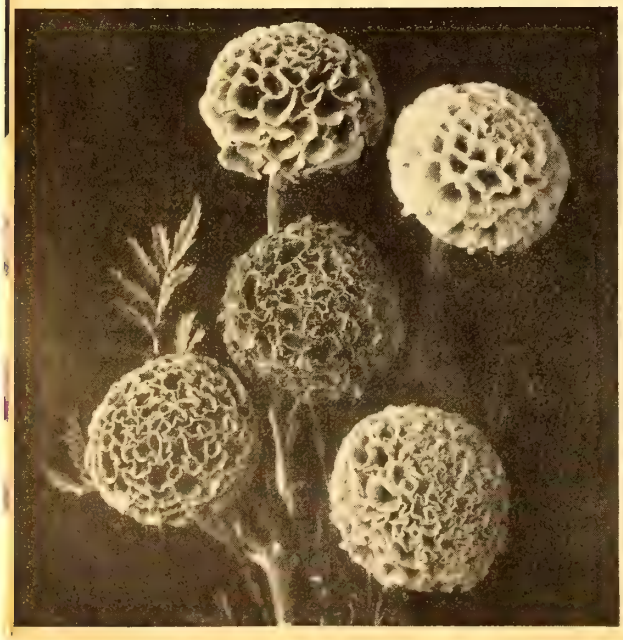
Prompted by the increasing demand and the very great response we have received to our Novelty offers, we have put forth every effort, sparing neither time nor expense, to make these pages of ever increasing interest to our readers. To our collection of **All American Novelties** and **Germain's California Novelties,** we were able to add several imported novelties of real merit; offering our customers, for their personal selection and enjoyment, the finest assortmnt of the world's newest and most beautiful flowers for their gardens in 1935.

**SPECIAL OFFER**

**GERMAIN'S NEW DOUBLE GLEAM NASTURTIUMS**

**One packet each of three glorious Double Gleam Nasturtiums offered on this page (1 packet Double Scarlet Gleam, 1 packet Double Gleam Hybrids, 1 packet Golden Gleam)—complete,50c.**

Nasturtium Glorious Gleam Hybrids



Marigold French Monarch Strain

## GERMAIN'S ALL AMERICAN

### *New* NASTURTIUM *Sweet Scented*
### DOUBLE SCARLET GLEAM

Those who have seen Scarlet Gleam, enthusiastically proclaim it even more dazzling in color than the showy Golden Gleam. The flowers are a fiery orange scarlet of extraordinary brilliancy. The individual blooms are of an immense size, almost three inches across, much larger than any Nasturtium ever known. The sweet fragrance is more pronounced, and the double flowers more uniformly well formed. The large, fiery scarlet flowers held well above the cool restful green leaves present an arresting contrast, while ease with which the plant is grown under almost any conditions insures a universal popularity. (See color illustration inside front cover).

**Price: Per Packet 25 Cents; ¼ oz. 50 Cents**

### DOUBLE GLEAM HYBRIDS

An entirely new race, the flower of tomorrow in the Nasturtium family. The new Hybrids abound in gorgeously colored, large, well formed blossoms of dazzling beauty, glorious flowers in color tones never before thought of in double Nasturtiums and running the full range of scarlet, orange, cerise, salmon, golden yellow, cream, and attractive mottled, shaded or blended tints. All this together with unusual vigor, splendid foliage and ease of culture, combines to make a novelty of striking beauty and merit.

**Price: Per Packet 25 Cents; ¼ oz. 50 Cents**

### DOUBLE GOLDEN GLEAM

Without doubt, this has proved one of the most popular flower novelties introduced in years. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect stems six inches high.

**Packet 15c; oz. 30c**

### *New* MARIGOLD *French*
### MONARCH STRAIN

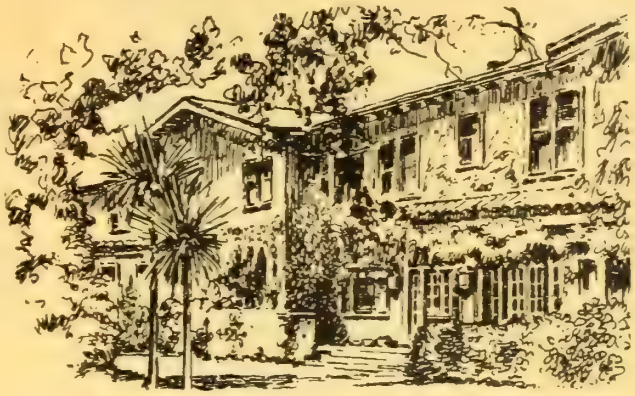
The New Monarch Strain of French Marigolds is an outstanding advance over all previously existing types and will gain many friends for this sturdy denizen of our gardens.

There is not a more colorful or a more useful flower for California as it withstands our winter climate and thrives through our warmest summer days. The Monarch Strain makes a sturdy compact growth and produces constantly its large, tightly double flowers, in a wide color range, including combinations of orange, bronze, yellow, and mahogany. Excellent for bedding, borders, and cutting.

**Per packet 15c; ½ oz. 75c**

# THE SANTA MARIA INN---*A Shrine to Flower Lovers*

SET IN LOVELY gardens, located in the very heart of the vast commercial flower seed production center in California and presided over by Frank J. McCoy, whose hobby is the growing of beautiful flowers, Santa Maria Inn is a veritable shrine to California flower lovers, a spot to which pilgrimages are made as often as possible. People from all over this country and world travelers with garden enthusiasms never fail to make at least one visit to this unusual hostelry where it is flower-time every day in the year. Famous writers, like Charles Finger and Marian Cram, have set forth its charms in their books. Whether it be the casual traveler or the horticultural expert who finds himself a guest at the Inn, the spell of the gracious gardens, the glory of the flower-filled dining room and the personal enthusiasm of the genial host, works its magic.



GERMAIN'S SANTA MARIA INN SPECIALTIES

Iceland Poppy, Santa Maria Inn Hybrids
See Inside Front Cover.

The Santa Maria Inn Flower Seed Collection
See Page 20

# NOVELTY COLLECTION

## *New* SNAP-DRAGON *Rust Proof*

UNIVERSITY OF CALIFORNIA MIXTURE

GERMAIN'S CALIFORNIA NOVELTY

To the University of California is due the credit for the production of a strain of Snapdragons which is fully 75% rust-proof. We join the American seed trade and garden-loving public in heartily congratulating the men responsible for this achievement comparable in importance to the development of the wilt-resistant Aster a few years ago.

For several years our seed growers have worked hand in hand with the University, making extensive crosses and bringing to the rust-proof strain all the excellence of size, vigor, and beauty of color for which our strains of Majus grandiflora and Maximum Snapdragons have long been noted.

It is with confidence and pride that we present this excellent mixture which will place the Snapdragon among our favorite summer flowers, making it possible to enjoy this splendid garden and cut flower almost the year around in California.

**U. of C. Mixture, per packer 25c; 1/16 oz. $1.00**

**Rust-Proof White Pearl**—A true majestic in type, glistening pearl white.
**Rust-Proof Crimson**—Very large flowers, fiery crimson.
**Rust-Proof Pink Shades**—A selection of light and dark pink.
**Rust-Proof Yellow**—Strong growing and free flowering, fine yellow.
**Rust-Proof Bronze Shades**—An interesting blend in bronzes.

**Separate Shades—per packet 35c; 3 packets for $1.00**

Snapdragon Rustproof

## *New* COSMOS ORANGE FLARE

EARLY FLOWERING KLONDYKE

AN ALL AMERICAN NOVELTY

Trials of this new Cosmos in Eastern States have caused a world of enthusiastic comment. The fact that Orange Flare is in full bloom less than four months after the time it is planted has brought an entirely new flower to the gardens of America, for the original type (Klondyke) produced its flowers so late in the fall that it was seldom seen except in the most southernly part of our country.

The orange color in Orange Flare is exceptionally fine; exactly the shade of a ripe orange.

The bush is more compact than formerly and the large flowers mounted on long wiry stems are well adapted for cutting. We feel definitely that a beautiful and valuable new member has been added to the already very popular Cosmos family.

**Per packet 25c; 1/8 oz. 50c**

Cosmos
Orange Flare

Phlox New Giant

Aster Los Angeles

Calendula Shaggy

# GERMAIN'S *New* SPECIALTIES

## *New* PHLOX *Gigantea*

BRIGHT SHADES MIXED

Exceptionally large size and a definitely new trend in color tones are the two most striking features in this splendid new strain. The individual flowers are fully twice the size of the ordinary Annual Phlox; the increase being so marked as to give the flowers a distinctly new appearance.

The color range is especially rich in the gayer, lighter tints of salmon, lavender, light violet, chamois, etc., and lends a lively brightness to the garden border. The flowers are strong stemmed and their improved keeping qualities recommend them to the cut flower grower.

This is unquestionably one of the most deserving novelties offered this year.

**Packet 25c; 5 pkts. $1.00**

## *New* ASTER *Los Angeles*

SUPER GIANT

This giant sized Aster has been so magnificently developed that it hardly seems possible to improve upon it. The blooms range up to seven and eight inches in diameter and are a veritable overflow of pure shell pink petals, which curl and intertwine in artistic fashion, producing a feathery effect.

Flower lovers will find this long stemmed, symmetrical, yet artistic and graceful Aster an added delight in flower arrangements, for never before has this delicate pink shade been produced in a variety of this size and beauty.

**Per pkt. 25c; ¼ oz. $1.50**

## *New* GIANT STOCK *Brightness*

SUPER GIANT IMPERIAL

We were greatly impressed with this splendid new Stock. It came out of the Giant Imperial strain and has all the good points of this fine type. It is, however, appreciably taller, carries many tall branches on each bush and the individual florets are much larger than the type. In color it is a warm, bright rose. Excellent both as a cut flower and for bedding.

**Per packet 35c; 3 packets for $1.00**

## *New* CALENDULA *Shaggy*

NEW ORANGE COLORED SHAGGY

The informal, Chrysanthemum-like arrangement of petalage which made Chrysantha so popular last year, is duplicated in this year's Calendula sensation, Orange Shaggy, one of the All American Novelty Selections for 1935.

Orange Shaggy is a very distinct new break in Calendulas. The petals are long and deeply fringed or laciniated. Row after row of these long fringed petals overlap each other in a rather irregular fashion and build up a bloom with the shaggy appearance of some Chrysanthemums. These blooms are of great grace and beauty, sharply contrasting with the rather formal appearance of varieties such as Orange King, etc.

The color is a deep orange shading to slightly lighter orange in the center of the bloom, giving the flower a delightful two-tone effect. Well grown, Orange Shaggy has long stems and forms plants about eighteen inches high.

**Per packet 25c; ¼ oz. $1.25**

## *New* CALENDULA *Chrysantha*

CHRYSANTHEMUM FLOWERED

To justly appreciate the Calendula Chrysantha, one must not class it as an ordinary type. The name Calendula Chrysantha is well adapted to this large flower, of a cheerful, exquisite shade of buttercup yellow, and it is an outstanding addition to the horticultural world. The loosely arranged petals droop to give the lovely rounded and graceful appearance found in our favorite chrysanthemums. Its strong, stiff stems make the blooms well fitted for cutting, and combined with bachelor buttons or blue delphinium one may produce a lovely combination. **Per pkt. 25c; ¼ oz. $1.00.**

# AND NOVELTIES FOR 1935

## New ZINNIA *Scabiosa Flowered*

MIXED

Recently brought from Europe, we believe this new type of cut-flower Zinnia will gain popularity in America as fast as it has already done in the old world. The flowers are composed of a broad disc of flat petals crowned by a raised pompon-like crest of quilled petals in the center and resembling the form of the Scabiosa. The range of colors is very good including brilliant reds, orange, yellow, pink, and white. They are a striking feature in any garden and provide a wealth of artistic cut flower material.

**Per packet 15c; ⅛ oz. 50c**

Zinnia Scabiosa Flowered

## New ZINNIA *Fantasy*

MIXED

Fantasy is the most fascinating new Zinnia type introduced to the flower world in many years. The very informal, shaggy appearing flowers are graceful and interesting in the extreme. The petals of the rounded blossoms are ray-like, curled and interwoven, giving a novel charm quite distinct from all other types of Zinnias.

The colors are unusually bright and include shades of red, yellow, and orange. This new Zinnia is undoubtedly one of the most sensational novelties of the year. (See illustration inside front cover.)

**Per packet 20c; ⅛ oz. 75c**

## New SWEET PEAS

MIXED

The Sweet Pea is the best beloved and most widely planted of annual garden flowers; it is, therefore, that we make a practice of trying out and carefully selecting each year the most deserving varieties among the season's new introductions.

This package contains only seeds of the very finest among the new varieties recently introduced and is carefully blended to give a harmonious color range, containing no harsh or discordant colors. While rich in soft, pastel shades it contains also brilliant colors in sufficient quantity to give tone and contrast to the assortment. Special effort has been made to retain all the sweetness of the old Sweet Pea fragrance, making this the most colorful and most sweetly scented Sweet Pea mixture we have ever offered.

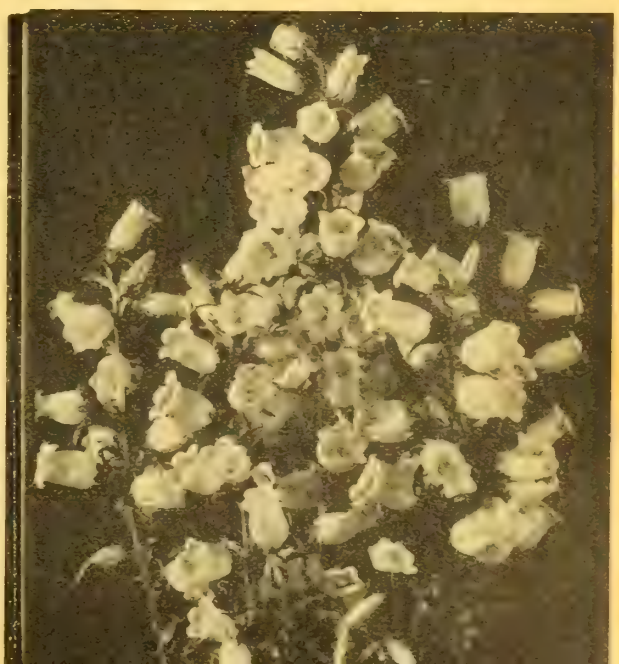
**Per packet 20c; oz. 75c**

Sweet Pea New Shades

## New CANTERBURY BELLS

ANNUAL MIXED

We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. Few of us ever believed that there would ever be anything different from the old-fashioned, much admired variety. Well, here it is. An Annual, when planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose and white. By making successive plantings all through the early spring, we can have these lovely flowers all summer and early fall. **Per pkt. 25c; ⅛ oz. $1.00.**



Annual Canterbury Bell

GERMAIN'S

### All-American and California Novelty Collection

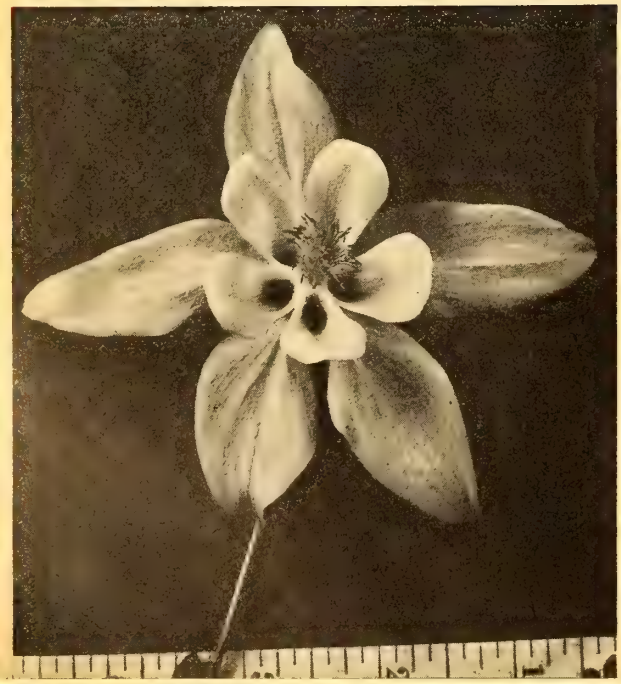
Calendula Shaggy, Cosmos Orange Flare, Marigold Monarch, Nasturtium Golden Gleam, Scarlet Gleam and Gleam Hybrids, Phlox Giant, Iceland Poppy Santa Maria, Snapdragon Rustproof, Sweet Pea New Shades, Zinnia Fantasy and Scabiosa Flowered. The 12 outstanding novelties for 1935.

**Value $2.60 Complete for $2.25 postpaid.**

# GERMAIN'S *New* SPECIALTIES

Dianthus, Splendens

Aster, Golden Sheaf



Aquilegia
Blue Shades

## *New* DIANTHUS *Splendens*

LACINIATED GARDEN PINK

We have rarely seen a more striking and clearly defined contrast of color in any flower than the splendid combination found in Dianthus Splendens. The flowers are of large size, fully 2 inches across. The broad, laciniated petals are a rich, vivid crimson, with the base forming a perfect circle of pure white in the center. This is a flower that compels attention, it cannot be overlooked in any garden; growing very uniform in height, it makes fine borders and beds. It is also an exquisite cut flower. Per packet 25c; ⅛ oz. 50c.

## *New* ASTER *Golden Sheaf*

AURORA WILT-RESISTANT

This beautiful new Aster is the deepest yellow Aster so far produced. It is of unusual interest as it adds a new color, which has long been sought, in this popular class of flowers. Golden Sheaf belongs to the Aurora type so much in demand by the florist. The flowers are fully double, with an attractive crest-like center and reach a height of 2 feet. The plants are wilt resistant, and make a fine display through the summer and fall. It is the first good yellow Aster that has come our way and should find a place in every garden. Per packet 35c; 3 packets for $1.00.

## *New* ASTER *Sunshine*

CALIFORNIA GIANT

Neither the company of surrounding foliage nor a background of friendly flowers is necessary to enhance the beauty of this sunshine Aster. The flowers, often measuring six inches across, with their loosely arranged, lacy outer petals surrounding a raised and crested center, are of a light, fairy-like appearance which charms at first sight. Petals and crest are often of harmoniously contrasting shades lending much to their variety and interest. A delightful novelty, valuable for all garden and cut flower purposes. Per package 20c; ⅛ oz. 50c.

## *New* POPPY *Iceland*

SANTA MARIA INN HYBRIDS

Visitors at the Santa Maria Inn in Santa Maria have been struck by the extraordinary size and beauty of the Iceland Poppies displayed there during the past two years. Mr. Frank McCoy, proprietor of the Inn, a horticulturist of note, is the originator of this truly remarkable strain.

It is our good fortune that Germain's have been selected to place this beautiful novelty under production this year for general distribution.

We have had it under close observation this season and in addition to size and variety of bloom we find in the strain many other points of merit. The flower stems are notably tall and wiry. The blossoms are more lasting and the plants carry on farther into the summer.

The color range is the best we have seen in Iceland Poppies, including picotees, carmine, satin pink, orange, champagne, etc., and a truly gigantic pure white. (See illustration inside Front Cover.)

**Packet 25c; 5 pkts. $1.00**

## *New* COLUMBINE *Blue Shades*

LONG SPURRED

There is a real thrill in this exquisite new variety for all those who love Columbine. The flowers, while often measuring 5 inches, are so graceful and the blue is such a fine, clear shade that they have an immediate appeal for all. Nothing better could be found for that shaded spot, as Aquilegias thrive in such locations. This variety is also suitable for cutting. Per package 15c; ⅛ oz. $1.25.

# AND NOVELTIES FOR 1935

## *New* PETUNIA *Dwarf Giants*

MIXED SHADES

A new sturdy, giant flowered, yet compact and dwarf growing form of the superb Petunia strain, Giants of California. The well rounded bushes rarely grow over seven inches in height and bloom so profusely that the plants are one mass of color most of the season. The shades are rich and brilliant in tone, with throat markings of unusual interest. You will be delighted with them as bedding and border flowers in the garden and as pot plants. Per packet 50c; 1/64 oz. $2.25.

Petunia, Dwarf Giants

## *New* ZINNIA *Midget*

ALL COLORS MIXED

These tiny flowered Zinnias have a charm the larger ones can never attain. The smaller flowers lend themselves to bedding and make a brilliant display, owing to their abundance of bloom, and have stems long enough to make fine bouquets for small vases and bowls. Germain's Midget Zinnias contain many small flowered varieties with pointed petals and double or semi-double flowers in attractive color combinations, such as red tipped gold, salmon and gold, primrose yellow with a hundred unusual intermediate shades. Per packet 25c; 3 for 65c.

Zinnia, Midget

## *New* MARIGOLD *African*

ALL DOUBLE ORANGE

Marigolds bring a great deal of gaiety and cheer to the garden. An ancient legend has it that they came to earth from the sun, and still reflect its golden rays in their sunny-hued blossoms.

**All Double Orange** is a new giant flowered variety of the most brilliant orange yellow and, as the name implies, produces 100% double flowers. A remarkable advance in this type of flower.

The petals are very closely set, making very large well rounded flowers of perfect form. Per packet, 25c; ⅛ oz. 50c.

**All Double Lemon.** A replica of the above, but in a clear lemon yellow. A lovely shade, excellent for cutting. Per packet 25c; ⅛ oz. 50c.

Marigold, Scotch Striped

## *New* MARIGOLD *Scotch Striped*

EXHIBITION MIXED

An artist's flower, with stripes, flecks, blotches and markings so odd that we are tempted to believe them the work of the painter's brush. Developed from an old Scotch Marigold this exhibition strain brings back to modern gardens a flower which enjoyed a great vogue many years ago. In its present form, we predict it will achieve even greater popularity. Per packet 25c; ¼ oz. 50c.

## *New* VIOLA *Arkwright Ruby*

An entirely new shade in this increasingly popular bedding plant. It is a most attractive variety, with bright ruby-crimson flowers shaded terra cotta; sweetly scented and although new comes quite true from seed.

The Violas are excellent material for winter and early spring bloom in beds and borders and this unusual new shade is a welcome addition to our already fine collection.

**Per packet 35c; 1/16 oz. $1.50**

## *New* POPPY *Sweet Briar*

DOUBLE SHIRLEY

Due to their delicate, crepe tissue paper like appearance, these lovely pink shades of poppies are almost artificial looking, with such ease has nature unfolded her beauty in the frilled petals of this lovely flower.

This new variety lends itself beautifully to flower arrangements, and gives perfect satisfaction in the garden. It is a worthy ALL AMERICAN novelty. **Per pkt. 25c; ½ oz. 75c.**

Poppy Sweet Briar

Nasturtium Golden Ball

## New BEGONIA *Illusion*

GERMAIN'S CALIFORNIA NOVELTY

Illusion is white with a vivid edging of crimson, a combination of colors which presents a most charming effect. The plant is of bushy habit, very floriferous, and its fresh, bright green foliage contrasts admirably with the exquisite color tints of the flowers.

It is a wonderful pot plant and succeeds equally well in beds and borders in the garden. Seen from a distance, the colors seem to blend, giving the illusion of a bright and charming rose shade. It is the most striking novelty in Begonia semperflorens we have offered in years and we feel sure there is a permanent place among the best for this fine variety.

**Per packet 50c**

Gaillardia, Burgundy

## New FRAGRANT PANSIES

These are by no means the old so-called winter pansies with their faint odor. This is an entirely new strain of giant flowered pansies possessing a very noticeable and quite delightful fragrance. A dozen or two of the flowers in an average room will permeate the air with their exquisite perfume.

We believe this one of our most noteworthy novelties.

**Per packet 35c; 1/16 oz. $1.75**

## New GIANT PANSIES

ENGLISH OR COVENT GARDEN STRAIN

The seed is the same as that used in growing the thousands of pansies seen in famous Covent Garden Market in London. It is a giant form of the English faced Pansy with a wide range of light and dark shades as well as the bronze and reddish colors.

**New Giant English Mixed. Per packet 35c; 1/16 oz. $1.75**

**Venidium Fastuosum**



# GERMAIN'S New SPECIALTIE

## New NASTURTIUM *Golden Ball*

The new bush Golden Gleam (Globe shaped)

This latest development in double Nasturtiums is an exact counterpart of the ever-popular Golden Gleam, but in a dwarf compact bush of rounded form, completely covered with large double blossoms on long stems giving the appearance of a globe of gold when in full bloom. In color, Golden Globe is identical to Golden Gleam, just as double and with the same suave, refreshing odor.

As it thrives in sun or shade there is no limit to its usefulness. Ideal for bedding or borders it also makes a splendid pot plant and a fine subject for hanging baskets, window boxes, etc.

**Packets only—per packet 35c; 3 pkts. $1.00**

Begonia Illusion

## New GAILLARDIA *Burgundy*

GERMAIN'S CALIFORNIA NOVELTY

A distinctive perennial, flowering from seed the firs year. The copper scarlet colored flowers combin pleasantly with the soft green foliage. Here is a mos valuable border or bedding plant since luxurious growt is obtained with ease in common garden soil. Because of it dark-toned flowers, often three to four inches across, long stem and cool-appearing foliage, Gaillardia Burgundy is entitled to definite place in your home as a cut flower. **Per pkt. 25c 1/8 oz. 75c.**

## New VENIDIUM *Fastuosum*

A large flowered annual of spreading habit, recently introduce from South Africa. The flower is a gorgeous orange-scarle with purple black center and was greatly admired at our sprin flower show. The plant is very floriferous and when well de veloped it is very striking. **Per packet 25c; 1/16 oz. $1.00.**

# ND NOVELTIES FOR 1935

## *New* STOCK *Early Giant Imperial*

MIXED

This variety has "followed through" so well in the field that we are inspired to mention it here. Because of their splendid record we are offering this mixture made up of new shades in pink, red, copper and lavender. Per kt. 20c; ⅛ oz. 60c.

## *New* SALPIGLOSIS *Velvety Red*

The predominating velvet effect found in all colors of this flower is particularly evident in this rich deep red. It is a fine and welcome addition to a class which gives us so many unusual shades for cutting and garden ffect. Per pkt. 25c; ¼ oz. 75c.

## *New* LUPINS *Hartwegii Giants*

MIXED

This improved new giant strain is over a foot taller than the ordinary, growing from three to four feet in height. Dark blue, sky blue, white and rose shades included in the packet, are equally enhancing, giving ll the colors needed for attractive decoration in your home. Per pkt. 25c; 1 oz. $1.50.

Petunia, Pink Gem

## *New* PETUNIA *Pink Gem*

Growing in a small well formed, compact plant—six inches in height and eight inches in width—covered by an abundance of bloom, we could not recommend anything that would form a more charming mat of color. We recommend this novelty for borders, window boxes, pots, rock gardens and for bedding. Per pkt. 25c; 3 pkts. 60c.

Geum
Prince of Orange

Scabiosa, Giant Hybrid

## *New* SCABIOSA *Giant Hybrid Mixed*

Grandmother's old favorite, the pin cushion flower, gone modern. Great 2½ inch flowers almost completely round and double. In a range of color, including white, flesh, rose in various light and dark shades, cerise, scarlet, blue, as well as intermediate shades ranging all the way down to the well-known purple black. A good cut flower and excellent for planting in the border. Per pkt. 25c; ⅛ oz. 90c.

Chrysanthemum, El Dorado

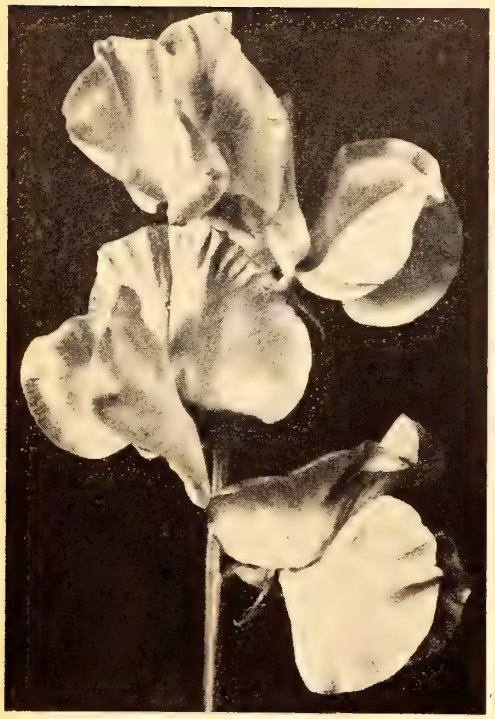
## *New* CHRYSANTHEMUM *El Dorado*

From the wealth of the flower kingdom comes another piece of rare handiwork in Annual Chrysanthemum El Dorado. Rich golden yellow with a contrasting dark center, making it very showy. Compact in growth yet producing flowers on long stiff stems that are excellent for cutting. Meeting every garden requirement and yet entering the house with the necessary dignity that is so essential to many bouquets. Per pkt. 25c; ¼ oz. 60c.

## *New* GEUM *Prince of Orange*

Geums thrive so readily in California that the introduction of a new color is of general interest to the garden owner. Orange Prince makes a fine double flower on good tall stems, excellent for cutting. The color is a sparkling new orange. Price, per pkt. 50c.

# Germain's Sweet Peas

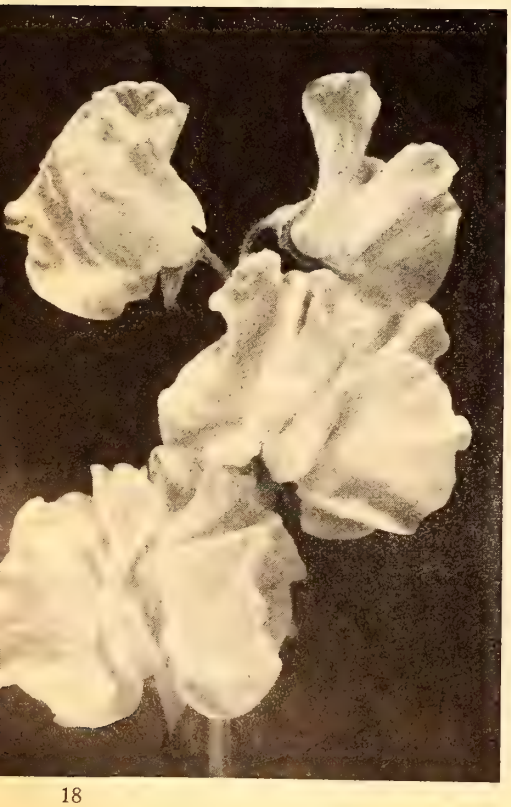


EXPOSITION PINK

**WONDER COLLECTION**

Giant Early or Winter Spencer Sweet Peas. Six full-sized packets in choicest shades and one package of plant food tablets (a 75c value) for.....50c

FASCINATION



The world's finest Sweet Pea seed comes from California. We are proud of the fact that we were one of the first seedmen in the world to realize that California was destined to become the growing center for seed of this very popular flower.

Germain's Sweet Peas are nationally famous. Year after year, by careful selection and painstaking effort, we have aimed to grow Sweet Pea seed that will produce flowers that are true to name, unexcelled in the beauty of their shades and the magnificence of their flowers. At Germain's seed farms, the aim is always to produce "California's Best."

## THREE GRAND WINTER SPENCERS

**Annie Laurie.** Probably the richest tone of pure rose pink introduced up to this time; long stems with four flowers to a stem and very free flowering. Pkt. 20c.

**Fragrance.** New mammoth lavender, carrying fours on long, stout stems. A splendid clear shade of lavender and exquisitely fragrant. Pkt. 25c.

**Red Cross.** Glowing poppy scarlet. A fine red of the shade so much used at Christmas time. Pkt. 20c.

**Collection.** One packet each of the three grand winter Spencers—50c.

## GERMAIN'S "AMERICAN BEAUTIES"

TWELVE GIANT EARLY OR WINTER SPENCER SWEET PEAS

4202 **Amethyst.** Royal purple of large size and perfect form.

4208 **Blue Bird.** Rich deep blue or purple. Fine clear shade.

4219 **Cream.** Pleasing creamy yellow. Very free flowering.

4235 **Harmony.** A lovely clear lavender. Large, and long stems.

4223 **Embers.** One of the newer shades, bright orange salmon.

4239 **Illumination.** A leading red variety rich cerise in tone.

4255 **Radiant.** Bright salmon rose. A very attractive variety.

4237 **Hercules.** Strong growing mammoth rose. One of the best.

4256 **Othello.** A deep, rich shade of velvety maroon.

4261 **Santa Barbara.** Mammoth deep orange. Long stems.

4266 **The Beauty.** Dark fiery rose. A splendid sort.

4277 **White Harmony.** Lovely ruffled pure white. Large, long stems.

**Price: Any of the above per pkt. 10c; oz. 60c; ¼ lb. $2.00**

COLLECTION OFFER

One packet each of the twelve

"AMERICAN BEAUTIES" for

**85c**

## "DOLLAR COLLECTION" OF GIANT SPENCER SWEET PEAS

Twelve beautiful summer flowering spencers: Asta Ohn, Blanche Ferry, Countess Spencer, Pirate Gold, Hercules, King Edward, Mary Pickford, Othello, Dobbie's Cream, Tangerine, Mrs. Tom Jones, King White. Price $1.00.

## Germain's Early Flowering or Winter Sweet Peas

BICOLOR

4218 **Columbia.** Wavy pink and white.

PINK AND ROSE SHADES

4197 **American Beauty.** Crimson rose.

4206 **Apollo.** Soft salmon and cerise pink. A lovely flower.

4216 **Chevalier.** Glowing deep rose color. Large and long stemmed.

4228 **Fascination.** Salmon rose pink.

4225 **Fair Maid.** Delightful shade of delicate blush pink.

4240 **Jeanne Mamitsch.** A grand deep pink variety.

4247 **Miss Louise Gude.** A lovely variety of brilliant pink.

4245 **Laddie.** Largest rose pink.

4175 **Perfection.** Deep rose, one of the best in this shade.

4258 **Rose Charm.** Bright rose, beautiful large well shaped flowers.

4276 **Zvolanek's Rose.** Excellent rose pink. A favorite variety.

4278 **Spring Song.** Salmon pink on cream. Large flower. Charming shade.

LAVENDER

4204 **Asta Ohn.** Lavender. Delicately tinted mauve.

4264 **Starlight.** Pale clear bluish lavender.

4265 **Sweet Lavender.** True lavender, large size.

4236 **Greeting.** Large lavender, long stem.

BLUE

4198 **Ball's Blue.** A fine medium blue.

ORANGE

4214 **Burpee's Orange.** An orange color in all its purity and richness.

4224 **Eldorado.** One of the best salmon orange shades.

4238 **Helen Lewis.** Not new but always popular; rich rosy salmon.

4251 **Mrs. Kerr.** Exquisite salmon shade; best if slightly shaded.

CRIMSON

4205 **Aviator.** A rich dazzling crimson. Large, free flowering.

4229 **Glitters.** Glittering cerise. Bright and cheerful; a fine variety.

4233 **Grenadier.** A rich scarlet-red, bright and vivid.

4270 **Vulcan.** Rich scarlet red.

PICOTEE

4211 **Blue Picotee.** White daintily edged with bright blue.

CREAM

4217 **Canary Bird.** A superb Sweet Pea. A rich deep cream color.

WHITE

4241 **Hope.** Extra large, black seeded white.

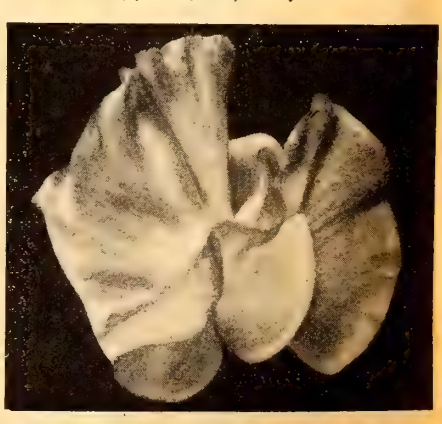
4278 **Zvolanek's White Rose.** Good long stemmed white.

**Price: Any of the above per pkt. 15c; oz. 70c; ¼ lb. $2.25**

WINTER SPENCER MIXED

4279 **Germain's Early or Winter Spencer Mixed.**

**Price: per Pkt. 10c; ½ oz. 20c; oz. 40c; ¼ lb. $1.20; lb. $4.50**



# Are Nationally Famous

DUPLEX VARIETIES

4220 **Duplex Gem.** Double soft rose.
4221 **Duplex Pioneer.** Double rose pink.

Price: Per pkt. 15c; oz. 70c.

## Gold Star

## Los Angeles Exposition Collection

This assortment contains six of the latest introductions in novelty Sweet Peas. We feel they represent one of the most outstanding collections ever offered.

**Los Angeles.** Our own introduction, a brilliant rose pink of giant size, petals beautifully waved. A vigorous, free-blooming variety. Packet 20c.

**Exposition Pink.** A giant flower named in honor of a Century of Progress Exposition. The color is a distinct geranium pink and exceedingly attractive. Packet 25c.

**Sunray.** One of our most admired novelties. A brilliant, glowing, yet soft cerise. Packet 20c.

**Blue Bonnet.** Fine rich deep blue; a large flowered variety, producing mostly fours on tall stems. Packet 20c.

**Valencia.** An exquisite deep shade of orange of true Spencer type with large flowers and good long stems. Packet 20c.

**Lavanda.** This fine variety is most aptly named. A true lavender in color, unusually sweet scented. Packet 25c.

**Orientale.** A fine deep cream which blends beautifully with lavender, pink and other delicate shades. Packet 20c.

COLLECTION OFFER

The entire Los Angeles Exposition collection of Seven New Winter Spencer Sweet Peas (a $1.50 value) for, postpaid—

**$1.00**

## Gardening Hint

Inoculate Sweet Peas With

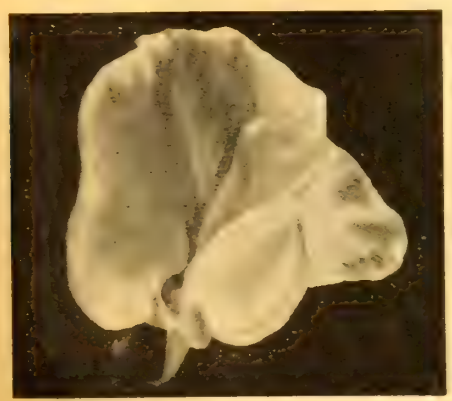
## NITRAGIN

The Original Soil Inoculator

Sweet peas are legumes—they need the nitrogen gathering legume germs. Few soils contain a natural supply. It is therefore necessary to inoculate. Nitragin hastens maturity, increases yield, produces better flowers, adds fertility to the soil.

Directions on every package

**Garden Size,** enough to inoculate from 1 oz. to 8 lbs. of seed.....25c



## Spencer Sweet Peas

GIANT SPRING AND SUMMER FLOWERING VARIETIES

BICOLOR

4287 **Blanche Ferry.** Select, bright rose and white.

ROSE AND PINK

4293 **Countess Spencer.** Light Pink, darker towards edges.
4299 **Elegance.** Exquisite delicate blush pink.
4312 **Hawlmark Pink.** Deep salmon pink.
4310 **Hawlmark Salmon.** Salmon and pink.
4313 **Hebe.** Large bright pink. A rich clear color. Long stemmed.
4316 **Hercules.** Immense flower, long stems and a beautiful, rich clear rose color.
4314 **Helen Lewis.** Bright rosy salmon.
4332 **Miss California.** Rich, beautiful, salmon cream pink.
4330 **Mary Pickford.** Large, wavy, perfectly formed flowers of dainty cream pink. A recent introduction of great merit.
4342 **Pinkie.** Large rose-pink, very floriferous and long stemmed.
4350 **Rosie.** Rose pink, deeper than any of the standard rose-pink varieties.

LAVENDER

4282 **Asta Ohn.** Lavender, tinted mauve Very free flowering.
4344 **Powers Court.** A very beautiful lavender.
4281 **Ambition.** Rosy lavender.
4309 **Gleneagles.** Clear even lavender or light blue, very large.

BLUE

4337 **Mrs. Tom Jones.** Bright delphinium blue. Good clear color.
4288 **Blue Monarch.** Deep navy blue.
4301 **Fortune.** Rich dark blue.

ORANGE

4361 **Tangerine.** The last word in orange-colored sweet peas.
4247 **Pirate Gold.** Golden orange.

SCARLET AND CRIMSON

4285 **Crimson King.** Deep crimson, vigorous, long stemmed.
4395 **Defiance.** A new scarlet, large, vigorous, absolutely burnless.
4303 **Fiery Cross.** A scorching fiery red color, exquisitely waved.
4321 **Illuminator.** A glowing cerise-salmon with an indication of bright orange, which glistens in the sunlight.
4323 **King Edward.** Crimson scarlet. An excellent red.
4334 **Mrs. A. Searles.** Pink to orient red.
4352 **Royal Scot.** A scarlet of exceptional brilliancy.
4362 **The Cardinal.** Scarlet.
4363 **Welcome.** Dazzling scarlet.

PURPLE

4351 **Royal Purple.** A beautiful royal purple. A rich shade.

MAROON

4343 **Othello.** Rich, deep maroon. Extremely dark.
4364 **Warrior.** Bronzy maroon.

CREAM

4296 **Dobbie's Cream.** Fine deep cream color.
4368 **What Joy.** Cream yellow.

WHITE

4286 **Avalanch.** White seeded.
4325 **King White.** The best Spencer White ever produced.

Any of the above 10c per packet; 40c per ounce

SUMMER SPENCER MIXED

4370 **Choice Spencer Mixed.** A carefully blended mixture containing an unusually wide range of beautiful colors. **Per pkt. 10c; oz. 30c; ¼ lb. 90c; lb. $3.00.**

PIRATE GOLD

### THE "SUNSET COLLECTION"

An excellent assortment containing six fine varieties, namely: Asta Ohn, lavender; Hercules, rose-pink; Illuminator, cerise; Primrose Spencer, yellow; Royal Purple and White Spencer. **Price 50c.**

LAVANDA

# FOR THE ROCK GARDEN

IT WAS considered that rock gardening could be practiced only on large grounds; in later days, however, the small rock garden has become increasingly popular both in England and America. One reason for this popularity is the opportunity it affords to grow a great variety of plants—perennials, bulbs, annuals and even small shrubs—in a small space and, with a few of each, to create a beautiful picture.

For the small rock garden, either the rocky slope coming down in broken terraces to a bordering path, or the ravine are recommended. In the latter, the path runs through the garden, both sides sloping irregularly upward. These rising sides being further emphasized by a background planting of tall perennials and shrubs. Where uneven or sloping ground exists, this should be chosen. If the garden is level, excavation may be made for a roughly outlined pool and the soil used to build up a few gentle slopes. Or the pool may be dispensed with and a sunken path take its place, as above stated.

Rock plants in general and particularly alpines, like porous gritty soil and a cool root run. On level ground especially, it is necessary to place drainage beneath the garden soil and in heavy soils a layer 18 inches thick is not too much. Old bricks, mortar, gravel or rock, use whatever is at hand. Above this place a foot of sandy loam with some stone chips or gravel mixed in.

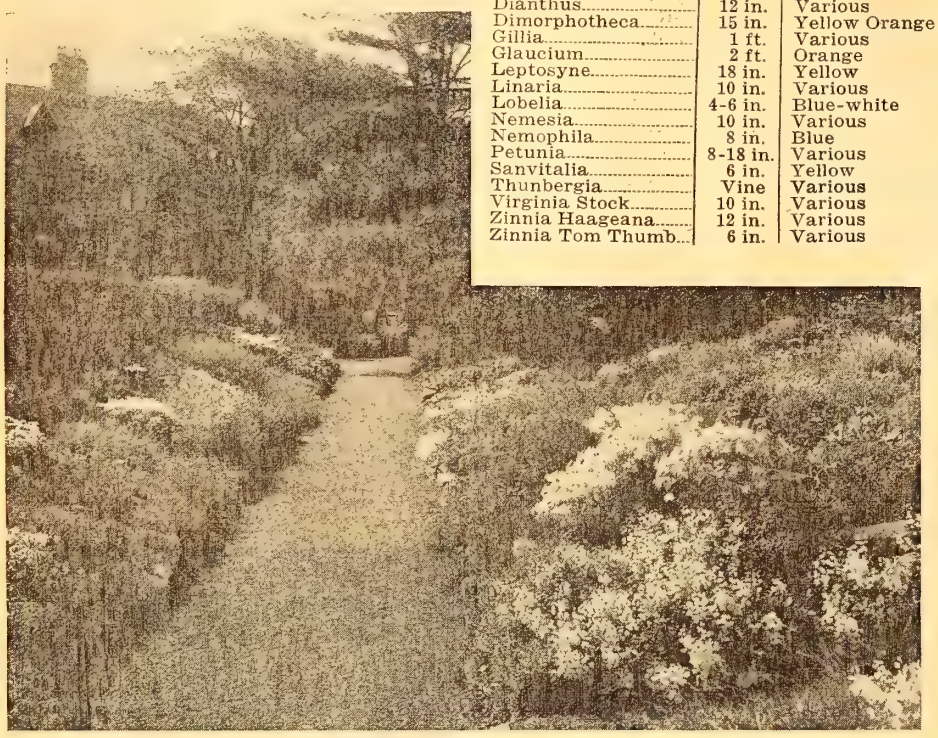
In placing the rocks, try to simulate a natural out-cropping. Place them on their broadest side and sink them well into the ground.

Most important in placing the stones is to make them slope inward so that falling water will be carried down to the roots of the plants. Arrange little bays and promontories and sweeping curves rather than straight lines.

Exposure is not very important as success may be gained facing in any direction providing the proper subjects are used. Facing west or south use more sun loving plants, facing east or north, rather the real alpines.

## ANNUAL FLOWER SEEDS FOR ROCK GARDENS

| | | |
|---|---|---|
| Abronia | 10 in. | Rose |
| Alyssum | 4-8 in. | White-lilac |
| Anagallis | 10 in. | Blue-orange |
| Cynoglossum | 18 in. | Blue |
| Dianthus | 12 in. | Various |
| Dimorphotheca | 15 in. | Yellow Orange |
| Gillia | 1 ft. | Various |
| Glaucium | 2 ft. | Orange |
| Leptosyne | 18 in. | Yellow |
| Linaria | 10 in. | Various |
| Lobelia | 4-6 in. | Blue-white |
| Nemesia | 10 in. | Various |
| Nemophila | 8 in. | Blue |
| Petunia | 8-18 in. | Various |
| Sanvitalia | 6 in. | Yellow |
| Thunbergia | Vine | Various |
| Virginia Stock | 10 in. | Various |
| Zinnia Haageana | 12 in. | Various |
| Zinnia Tom Thumb | 6 in. | Various |



## PERENNIAL FLOWER SEEDS FOR ROCK GARDENS

| | | |
|---|---|---|
| Achillea | 18 in. | White-rose |
| Agrostemma | 1-2 ft. | Pink |
| Alyssum | 10 in. | Yellow |
| Aquilegia | 2-3 ft. | Various |
| Arabis | 12 in. | White |
| Armeria | 8 in. | Pink |
| Aubrietia | 8 in. | Various |
| Bellis | 6 in. | Rose-white |
| Campanula | 1-2 ft. | Blue-white |
| Cerastium | 12 in. | White |
| Cheiranthus Allioni | 12 in. | Orange |
| Delphinium Chinensis | 18 in. | Blue-white |
| Dianthus | 15 in. | Various |
| Erigeron | 1-2 ft. | Lavender |
| Euphorbia | 18 in. | Foliage |
| Gentiana | 6 in. | Blue |
| Geum | 18 in. | Orange |
| Helianthemum | 12 in. | Pink |
| Heuchera | 15 in. | Pink |
| Iberis | 12 in. | White-pink |
| Linum | 12 in. | Various |
| Nepeta | 12 in. | Blue |
| Oenothera | 18 in. | Yellow |
| Pentstemon | 18 in. | Various |
| Platycedon | 18 in. | Blue-white |
| Polyanthus | 12 in. | Red-yellow |
| Poppy Iceland | 15 in. | Various |
| Primula | 12 in. | Lavender-pink |
| Saponaria | 12 in. | Pink |
| Shasta Daisy | 15 in. | White |
| Silene | 8 in. | Pink |
| Stachys | 18 in. | Silver-leaved |
| Statice Latifolia | 2 ft. | Lavender |
| Verbena Erinoides | 8 in. | Purple |
| Verbena Venosa | 8 in. | Lilac |
| Viola | 6-8 in. | Various |

### ROCK GARDEN COLLECTION A

**Annual Flower Seeds**

Abronia, Alyssum Carpet of Snow, Cynoglossum Blue, Dianthus Annual Mixed, Dimorphatheca Mixed, Lobelia Blue, Nemesia Mixed, Petunia Rosy Morn, Sanvitalia, Virginia Stock.

**One packet of 10 selected easily grown rock garden annuals, Complete for 75c postpaid.**

### ROCK GARDEN COLLECTION B

**Perennial Flower Seeds**

Achillea The Pearl, Alyssum Saxatile, Aquilegia, Armeria, Aubretia, Campanula Carpatica, Cerastium, Dianthus Rock Garden Mixed, Geum Orange, Heuchera Mixed, Linum Flavum, Pentstemon, Polyanthus, Verbena Erinoides.

**One packet each of 4 choice rock garden perennials, complete for $1.00 postpaid.**

## FLOWERING PLANTS FOR GARDENS BY THE SEA

| | | | | | |
|---|---|---|---|---|---|
| Abronia | Coreopsis | Convolvulus Mauritanicus | Hibiscus | Marvel of Peru | Salvia Leucantha |
| Armeria | Chrysanthemum frutescens | Helianthemum | Lavatera | Mesembryanthemum | Statice |
| Calendula | | | Leptosyne | Petunias | Verbena Erinoides |
| Calliopsis | | | Marigolds | | Verbena |

## *Special* SANTA MARIA INN *Flower Seed Collection*

No one can fail to admire the charm and beauty of the flower displays at Santa Maria Inn. Not only in the gardens where they are always present in quantities, but also everywhere through the buildings, the flower arrangements are exquisite.

Deftness in blending colors is an art which everyone with a love for flowers should strive to master. The lighter tints harmonize quite readily, the stronger tones are harder to handle. With these it is safest to use white or a direct contrast. As for instance, deep purple and gold, blue and yellow, etc.

To secure the proper varieties is, of course, the first step to sucess. This collection offers a selection of the choicest flowers used with such telling effect at the Inn and will bring to your garden a share of the exquisite beauty by which all its visitors are so vividly impressed.

| | | | | | |
|---|---|---|---|---|---|
| Anagallis, bright blue | $ .10 | Centaurea Imperialis, white | .10 | Poppy, Sweet Briar | .10 |
| Aster Sunshine Mixed | .15 | Dianthus Laciniatus, mixed | .10 | Salpiglossis, mixed | .10 |
| Aquilegia, Long Spur Mixed | .20 | Didiscus, blue lace flower | .10 | Scabiosa Columbaria, pink | .15 |
| Calliopsis, Golden Wave | .10 | Godetia, Duke of York | .10 | Scabiosa Shasta, white | .10 |
| Candytuft, rose cardinal | .10 | Hunnemannia, yellow | .10 | Zinnia Lilliput, mixed | .15 |
| Candytuft, Albida, white | .10 | Marigold, Guinea Gold | .20 | | |
| | | Phlox Drummondi, mixed | .10 | Regular Value | $2.15 |

**18 Selected Varieties (a regular $2.15 value) postpaid for $1.50.**

# *Best For American Gardens*

IN CALIFORNIA where flowers reach the height of floral perfection, Germain's flower seeds are preferred by the professional gardener and home owner.

Favored by ideal climatic conditions in the growing, maturing and harvesting of seeds, California produces over 90% of the flower seeds grown in America. From this vantage point Germain's sends annually to all parts of the United States and many foreign countries throughout the world, large quantities of the highest quality flower seeds procurable anywhere.

Since its foundation in 1871, this firm has been closely associated with the development of the seed industry in California and was one of the first to realize the exceptional advantages of soil and climate possessed by our state in the production of superior strains and finer quality seeds. Our flower seeds are grown under the most favorable conditions and are checked in the growing fields with the utmost care—you may plant with safety any seeds you purchase from Germain's.

May we call your attention also to the novelties and specialties described on the preceding eight pages. Especial care is taken in selecting each variety included in our novelty section, and no variety which is not a definite improvement over existing sorts, or a new flower of real worth, is permitted to appear on these pages.

In our floral work shops, expert plant breeders continually carry on the work of hybridization and selection which is needed for the introduction of new and improved strains.

In our All-American and California Novelty collection we present many new flowers which it has taken many years to perfect and which we trust will meet with the appreciation they so richly deserve. But, whether interested in seeds of the newer flowers or the standard varieties contained in the following pages, Germain's seeds are grown and ripened in California, as only California sunshine can grow and ripen them.

For sturdier growth and more brilliant colors, plant GERMAIN'S SEEDS—they are

***Best for American Gardens - - Everywhere***

# GERMAIN'S GIANT SNAPDRAGONS

Antirrhinum—Snapdragon

## ABRONIA

Ab-roh'-ni-a
**(Sand Verbena)**

2001 **Umbellata.** A low growing annual of trailing habit. The Verbena-like flowers are a pleasing delicate rose color. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. 30c per ¼ oz. packet 10c.

## ACHILLEA

2004 **The Pearl.** Hardy perennial. Will bloom first year from early sowings. Excellent cut flower and bouquet filler. Height 2 feet. Pkt. 25c.
2002 **Kelwayi Rosea.** A pretty rose colored variety. Pkt. 25c.

## NEW GIANT SNAPDRAGONS

An-tir-ry'-num
**(Antirrhinum Maximum)**
Fr. *Muflier* Ger. *Lowenmaul* Sp. *Perritos*
*Gueule de loup* *Conejitos*

This wonderful new group of Giant Snapdragons far surpasses anything yet introduced. The flowers, closely placed on tall spikes, are of magnificent size—invaluable for garden decoration, they are also incomparable cut flowers of exceptional quality.

2075 **Apple Blossom.** Rosy pink.
2076 **Cattleya.** Lilac, creamy yellow tube.
2081 **Old Gold.** Rich golden yellow.
2084 **The Rose.** Rich rose pink.
2082 **Canary Bird.** Canary yellow.
2077 **Cerberus.** Carmine rose, yellow lip, white tube.
2087 **Defiance.** Bright scarlet.
2080 **Gotelind.** Pale orange, with lemon spot.
2085 **Purple King.** Deep garnet, dark stem.
2086 **Salmon Rose.** Brilliant shade.
2083 **Snowflake.** Pure white.
2078 **Copper King.** Velvety scarlet with bronze sheen.
2090 **Giant Choice Mixture.** All colors.
Price: Any of the above, 20c per packet.
Collection of five separate varieties, 80c.

## LARGE FLOWERING SEMI-TALL SNAPDRAGONS

Large flowers closely placed on medium sized stems make this strain especially valuable for bedding and as cut flowers.

2134 **Black Prince.** Nearly black; small dark leaves.
2139 **Cottage Maid.** Delicate pink tinged salmon; white throat.
2142 **Crimson King.** Rich deep crimson.
2146 **Defiance.** Scarlet with Brilliant orange red suffusion.
2156 **Golden Queen.** Large golden yellow.
2165 **Queen of the North.** Pure white.
2152 **Fawn.** Terra cotta pink and yellow.
2154 **Gloria.** Rich deep rose.
2166 **Philadelphia Pink.** Bright pink.
2171 **Silver Pink.** Exquisite light pink; ideal.
2180 **Large Flowering Semi Tall Mixed.** ¼ oz. 40c.
Price: Any of the above, 10c per packet.
Collection: 1 packet each of 8 colors, 70c.

## ACONITUM

Ak-oh-ny'-tum
**(Monk's Hood or Wolfsbane)**
Fr. *Aconit* Ger. *Eisenhut*

2003 **Napellus.** A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 or 4 feet tall. Packet 15c.

## ADLUMIA

2011 **Cirrhosa.** Pretty climbing vine with feathery foliage and numerous tube shape, pretty flesh colored flowers. Packet 10c.

## ADONIS

A-doh'-nis
Fr. *Adonide* Ger. *Adonisroschen*

2013 **Aestivalis** (Flos Adonis). Pretty annual growing about 1 ft. in height and producing freely its showy crimson flowers with dark center. 30c per ½ oz., packet 10c.

## LARGE FLOWERING TALL SORTS

A splendid strain producing large individual flowers on tall spikes 30 inches high.

2092 **Defiance.** Very tall vivid orange scarlet.
2094 **Delila.** A beautiful carmine with white tube.
2109 **Rose Queen.** Luminous soft rose.
2112 **Rose King.** Splendid deep rose.
2104 **Harmony.** Terra Cotta orange shaded rose.
2091 **Crimson King.** Dark leaved, crimson.
2095 **Cardinal.** Dazzling scarlet.
2101 **Fire King.** Fiery orange scarlet.
2110 **Pink Domino.** Soft clear rose, white throat.
2121 **Torchlight.** Orange, yellow lip.
2119 **Queen Victoria.** Pure white, a beautiful variety.
2125 **Golden King.** Giant rich yellow.
2130 **Finest Mixed.** All colors.
Price: Any of the above sort 10c per packet; 30c per ¼ oz.
**Rust-proof Snapdragons.** See novelty section, pages 10 to 17.

## AGATHEA

Ag-a-thee'-a
**(Blue Marguerite)**
Fr. *Aster du Cap* Ger. *Kapaster*

2016 **Coelestis** (Amelloides). Splendid free flowering border perennial, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They bloom readily from seed the first season. Packet 10c.

## AGERATUM

Ah-jer'-ah-tum or A-jer-ay'-tum
**(Floss Flower)**
Fr. *Agerate* Ger. *Leberbalsam* Sp. *Agerato*

Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans or boxes and later transplanted or they may be sown outdoors in spring. The plush-like flowers appear in dense clusters entirely covering the plants.

2047 **Blue Cap (New).** The lowest growing of all the Ageratums. Very compact and a profuse bloomer. Packet 20c.

2029 **Purple Perfection.** Deeper than Blue Perfection. Pkt. 15c, ⅛ oz. 35c.
2023 **Blue Ball.** Dwarf compact plant with mass of dark blue blooms. Pkt. 15c, ⅛ oz. 35c.

2027 **Blue Perfection.** A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Packet 10c.

2028 **Little Dorrit.** Very dwarf bushes not over 6 inches high densely covered with bright blue flowers. Packet 15c.

2025 **Imperial Dwarf Blue.** Clear blue, bushy and free flowering, 18 inches. Packet 10c.
2026 **Imperial Dwarf White.** Identical with the above except in color. Packet 10c.

2030 **Imperial Dwarf Mixed.** Shades of blue and pure white, 8 inches, 30c per ¼ oz. Packet 10c.

## ANAGALLIS

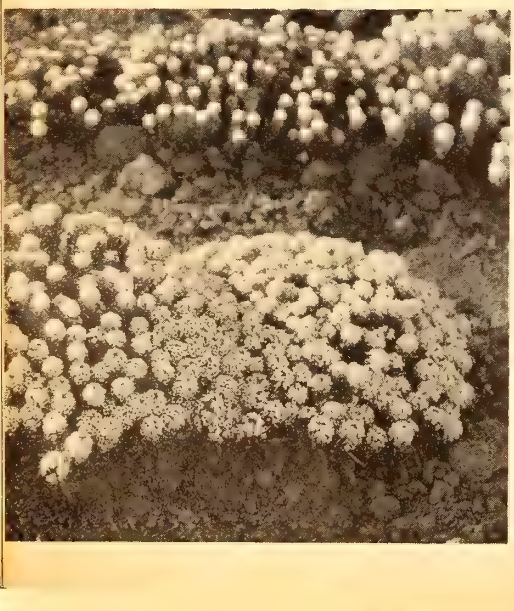
An-a-gal'-lis
Fr. *Mouron* Ger. *Gauchheil* Sp. *Pimpinela*

2066 **Bright Blue.** A striking clear mid-blue. Fine for border or rock garden. Packet 10c.
2065 **Anagallis** (Pimpernel). Fine mixed. Packet 10c.

## ANTIGONON

2074 **Leptopus** (Rosa de Montana). Perennial climber. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant. Packet 15c.

# FRAGRANT ALYSSUMS HAVE MANY USES



Al-is'-sum
**(Sweet Alyssum or Mad Wort)**
Fr. *Alysse* Ger. *Steinkraut* Sp. *Aliso Fragrante*

Pretty, very sweetly scented, annual plants useful for borders, edging, window boxes, hanging baskets and rock work. They flower profusely all summer and are among the most successful also for winter blooming.

2039 **Sweet Alyssum** (A Maritinium). White, very sweet, about 9 inches and of traliing habit. 40c per oz.; packet 10c.

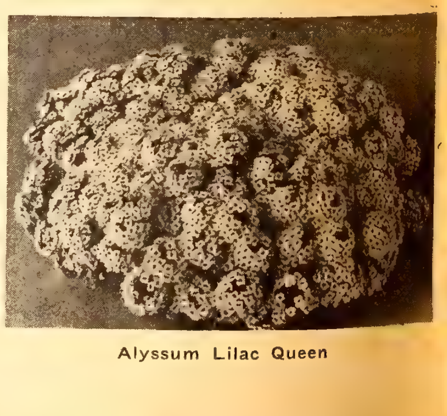
2041 **Compactum.** Ideal for edging, erect growth, 6 inches. Packet 10c.

2045 **Carpet of Snow** (Procumbens). Very dwarf, barely 4 inches high, forming low tufted plants which are a mass of white during the entire season. Packet 10c.

2044 **Lilac Queen.** Good compact habit and a very pretty deep lavender lilac in color, 6 inches. 75c per oz., packet 10c.

2047 **Saxatile** (Basket of Gold). Showy bright yellow hardy perennial, valuable for rock work and permanent edging or border, 1 foot high. 50c per ½ oz., packet 10c.

Alyssum Compactum



Alyssum Lilac Queen

A Field of Healthy, Vigorous, Wilt Resistant Asters

# GERMAIN'S WILT RESISTANT ASTERS

The most serious disease that affects the Aster is Wilt. Aster Wilt has played havoc with many aster plantings and much time and money has been spent in combatting it.
Recently we were able to obtain certain varieties which showed remarkable immunity from this disease. Careful investigation and tests on a very large scale proved conclusively that, even on land badly infested with aster wilt, these resistant sorts made a strong, healthy growth, bloomed profusely and produced a good crop of seed without showing a sign of wilt.
A few more resistant varieties are being added each year and already we are able to offer all the asters listed below in Wilt-Resistant Strain.

### WILT RESISTANT AMERICAN BEAUTY

**Lavender.** **Crimson.**
**Carmine Rose.** **Purple.**

**American Beauty Wilt Resistant Mixed.**

**Price: Per packet 20c; 1/8 oz. 50c.**

### WILT RESISTANT OSTRICH FEATHER

**Crimson.** **Deep Rose**
**White.** **Royal Purple.**

**Ostrich Feather Wilt Resistant Mixed.**

**Price: Per packet 20c; 1/8 oz. 50c.**

### WILT RESISTANT GIANT BRANCHING

**Azure Blue.** **Shell Pink.**
**Deep Rose.** **Dark Blue or Purple.**
**Crimson.** **White.**

**Giant Branching Wilt Resistant Mixed.**

**Price: Per packet 15c; 1/8 oz. 35c.**

### WILT RESISTANT QUEEN OF THE MARKET

**Crimson.** **Scarlet.**
**Dark Blue.** **White.**

**Queen of the Market Wilt Resistant Mixed.**

**Price: Per packet 15c; 1/8 oz. 35c.**

### WILT RESISTANT KING ASTER

**Dark Blue.** **Peach Blossom.**
**Crimson.** **White.**

**King Aster Wilt Resistant Mixed.**

**Price: Per packet 20c; 1/8 oz. 50c.**

### SPECIAL OFFER

One packet each of American Beauty Mixed, Ostrich Feather Mixed, Giant Branching Mixed, Queen of the Market Mixed, and King Aster Mixed. All Wilt Resistant for 75c.

## PEERLESS GIANTS OF CALIFORNIA ASTERS

The immense, feathery, Chrysanthemum-like flowers measure from five to six inches. The stems are low branched, heavy, two feet in length and form no laterals, hence no disbudding is necessary.

**Los Angeles—Super Giant.** See Novelty Section, pages 10 to 17.

2235 **Peach Blossom.** Quite distinct, opens a faint blush and flushes pink when in full bloom.

2236 **Dark Purple.** Intense deep blue purple, a magnificent color in Asters.

2237 **Deep Rose.** An exceptionally rich deep shade.

2238 **Light Blue.** A fine flower. Delicate yet of sufficient intensity to please the most critical eye.

2239 **White.** The latest addition to the strain; a snow white.

2240 **New California Giants** superfine mixed.

**Price: Any of the above varieties 15c per packet.**

**Collection: One packet each of 5 separate colors, 60c**

## AMERICAN BRANCHING ASTERS

This famous strain of branching Asters is deservedly popular. The flowers are of good size, very double, of fine form and abundantly produced.

2291 **Crimson.** Intense deep crimson red.
2292 **Flesh.** Clear even light pink.
2293 **Lavender.** Exquisite bluish lavender.
2294 **Purple.** Perfect flower, dark violet blue.
2295 **Rose Pink.** Charming bright rose.
2296 **White.** Large well formed, pure color.
2300 **American Branching.** All colors mixed.

**Price: Any of the above 10c per packet**
**Collection: One packet each of the six colors 50c.**

## CREGO'S GIANT COMET

**or "Ostrich Feather" Aster**

The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

2271 **Crimson.** Glowing deep rose-crimson.
2272 **Flesh.** Attractive light shell pink.
2273 **Lavender.** Soft Lavender blue.
2276 **Purple.** Showy violet purple.
2274 **Rose.** Lovely bright carmine rose.
2277 **White.** Purest white, large and fluffy.
2280 **Crego's** or Ostrich Feathered Mixed.

**Price of the above 10c per packet**
**Collection: The six colors for 50c**

## RAINBOW ASTER MIXED

This we think one of the most adaptable flowers we know. Suitable alike for bedding or bouquet. Very long lasting when cut and their single flowers add a daintiness wherever displayed that is beyond description. Per packet 15c.

### Regal Collection
### AMERICAN BRANCHING ASTERS

Contains six varieties of large flowering branching Asters in the following colors:

| | |
|---|---|
| Crimson | Purple |
| Flesh Pink | Rose Pink |
| Lavender | White |

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, postpaid.

## AMERICAN BEAUTY ASTERS

A renowned cut flower strain producing very large densely double flowers on long stems. The flowers are of the American branching type but much larger and sturdier and hold up remarkably well after cutting.

2246 **Crimson.** Rich vivid crimson red.
2247 **September Pink.** Soft shell pink.
2248 **Lavender.** Clear lavender blue.
2249 **Purple.** Velvety dark blue or purple.
2250 **Peach Blossom.** Pleasing rosy pink.
2251 **Rose.** Bright cerise-rose.
2252 **White.** Splendid large snow white.
2260 **American Beauty Asters, mixed colors.**

**Price: Any of the above varieties 15c per packet**

**Collection of the seven separate colors for 85c**

## SINGLE CHINA ASTERS

Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

2352 **Elegance.** Dark red.
2355 **Elegance.** Light rose
2354 **Elegance.** Purple.
2357 **Elegance.** White.
2360 **Elegance.** Mixed.

**Price per packet, any of the above, 10c**

## CALIFORNIA SUNSHINE AND AURORA ASTERS

See Novelty Section, pages 10 to 17.

Dimorphotheca Eklonis

## ALONSOA

2038 **Warscewiczi.** Annual; 1-2 feet. Racemes of brilliant tomato red. Pkt. 10c.

## AMARANTHUS

Am-ar-anth'-us

Fr. *Amarante* Sp. *Amaranto* Ger. *Fuchsschwanz* *Cola de Zorra*

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 3 to 5 feet and prefer an open sunny location and rather light soil.

2054 **Sunrise** (Molten Fire). A new variety with bright red flame-like foliage. Packet 15c.

2050 **Caudatus** (Love lies bleeding). Bright crimson flowers in drooping panicles. 40c per oz., packet 10c.

2051 **Cruentus** (Prince's Feather). Dark red. Packet 10c.

2052 **Melancholicus Ruber.** Leaves deep red. Packet 10c.

2055 **Salicifolius** (Fountain Plant). Long undulated foliage; deep green marked with crimson and yellow. Packet 10c.

2056 **Tricolor** (Joseph's Coat). Very showy, leaves variegated red, green and yellow. 50c per ½ oz., packet 10c.

## ANCHUSA

An-keu'-za

**(Alkanet, Bugloss)**

Fr. *Buglosse* Ger. *Ochsenzunge*

2068 **Capensis** (Cape Forget-me-not). This attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers. Packet 10c.

2069 **Italica Dropmore Variety.** One of the best hardy perennials growing to a height of 3 to 5 feet and producing an abundance of flowers in tall loose sprays. The color is a rich gentian blue very effective. Packet 10c.

2067 **Lissadell.** Beautiful gentian blue flowers; tall graceful sprays; growing to a height of 4-5 ft. and good for cutting. Pkt. 15c.

## ANEMONE

An-em'-on-nee

**(Windflower)**

Fr. *Anemone* Sp. *Anemona* Ger. *Windroschen* *Flor del Viento*

Perennial plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Height 1½ feet.

2070 **Germain's Giant French Mixed.** A most beautiful large flowered strain, frequently measuring four inches across and containing beautiful rose and salmon shades as well as the more striking crimson and deep blue colors. 45c per ⅛ oz., packet 10c.

2071 **St. Brigid Strain.** Very large double and single flowers in a wonderful array of colors. Packet 15c.

2073 **His Excellency.** Rich red, extra large size, brilliant color. Packet 25c.

## ASCLEPIAS

**(Butterfly Weed)**

2217 **Tuberosa.** Perennial, with bright orange-yellow flowers; 2½ ft. high. Pkt. 15c.

## ARABIS

A'-ra-bis

**(Rock Cress)**

Fr. *Arabette* Ger. *Gansekresse*

2202 **Alpina** (Alpine Rock Cress). This delightful perennial is one of the earliest and prettiest of spring flowers. The dense tufts of snow white flowers always present a neat appearance and are invaluable for edgings and rockeries. 6 to 9 inches. Packet 10c.

Calceolaria

## AQUILEGIA

Ak-wi-leej'-i-a

**(Columbine)**

Fr. *Ancolie* Sp. *Aquilena* Ger. *Akelei* *Muela de San Antonio*

Handsome and effective hardy perennials. The Columbines are most graceful in form and habit and invaluable to correct too stiff or formal plantings. They prefer a moist situation with partial shade. The seed may be sown in spring in the house or in the open ground; or they may be planted in August or September and will make vigorous plants and bloom abundantly the following spring. 2 to 3 feet.

2197 **Long Spurred Blue Shades.** Packet 20c.

2199 **Long Spurred Orange Shades.** Packet 20c.

2198 **Long Spurred Pink Shades.** Packet 20c.

2201 **Long Spurred Snow Queen.** Packet 20c.

2200 **New Long Spurred Hybrids.** A superb strain producing very beautiful large flowers with long spurs and in all shades of blue, mauve, yellow, orange, rose and white. Packet 15c.

2191 **Chrysantha** (Golden Spurred). Golden yellow. 45c per ⅛ oz., packet 10c.

2192 **Coerulea** (Rocky Mountain Columbine). Violet-blue and white. Packet 25c.

2195 **Single Choice Mixed.** All colors. 50c per ¼ oz., packet 10c.

2196 **Double Flowering Hybrid.** Many beautiful shades. 40c per ⅛ oz., packet 10c.

## ARCTOTIS

Ark-toh'-tis

**(White African Daisy)**

Fr. *Arctotis* Ger. *Barenohr* Sp. *Arctotis*

2205 **New Hybrids Mixed.** A novelty from South Africa of vigorous growth, producing large composite flowers 2½ to 3 inches across in a great variety of colors—orange, terra cotta, yellow, salmon, carmine, etc. Very showy and effective and should prove a real acquisition to California gardens. 5 packets $1.00, packet 25c.

2204 **Grandis.** A free flowering annual of unusual merit producing a wealth of large daisy-like flowers on well branched bushy plants 2 to 2½ feet high. The flowers are white with a steel blue reverse imparting a pearly hue of great charm; excellent for cutting; easily grown from seed sown in the open in early spring. 30c per ¼ oz. Packet 10c.

## ARISTOLOCHIA

2210 **Elegans.** A twining vine with small leaves and large showy dark purple flowers. Packet 25c.

2211 **Sipho** (Dutchman's Pipe). The flowers are very odd and curious resembling a Dutchman's pipe. The large heart shaped leaves are grand. Packet 15c.

## ARMERIA

Ar-meer'-i-a

**(Thrift or Sea Pink)**

Fr. *Gazon d'Olympe* Ger. *Grasnelke*

2214 **Formosa.** Very pretty hardy perennial with slender leaves and rosy-pink flowers; invaluable for edging. Packet 10c.

## ASPARAGUS

2218 **Plumosus.** The Asparagus Fern extensively used by all florists. Feathery climber. 100 seeds 50c, packet 10c.

2219 **Sprengeri** (Emerald Feather). 100 seeds 45c, packet 10c.

## AUBRIETIA

Oh-bree'-ta

Fr. *Aubrietia* Ger. *Blaukissen*

Very charming perennial bedding plants producing masses of flowers very early in spring, 6 inch. Rockgardens and borders in part shade. Sow in June and plant out in autumn.

2383 **Graeca.** Light purple. Per packet 15c.
mass of dark blue blooms. Pkt. 15c, ⅛ oz. 35c.

2381 **Leichtlinii.** Perennial. Carmine rose. Pkt. 25c.

2382 **Bougainvillei.** Dark blue. Pkt 25c.

2384 **Large Flowered Hybrids Mixed.** Pkt. 25c.

## AURICULA

Au-rik'-u-la

**(Primula Auricula)**

Fr. *Oreille d'Ours* Ger. *Aurikelu*

Colorful hardy perennials for rock garden and border; useful also for window boxes and shady situations; prefer light, moist soil and bloom freely in April, May. ½ foot.

2385 **Choice English Hybrids.** Rich deep shades with many attractively margined. Packet 25c.

## BALLOON VINE

2401 **Cardiospermum.** A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons. Per oz. 35c, per packet 10c.

Calendula Campfire

## BALSAM

Impatiens (Im-pay'-shi-ens)
**(Ladies' Slipper)**

Fr. *Balsamine* Ger. *Balsamineu* Sp. *Brincos*

An old favorite in the summer flower garden. The brightly colored double flowers are very freely produced. The plants are bushy, 18 inches high, with fleshy stems and shiny bright green leaves. Start from seeds in boxes in early spring or later in the open ground. They are ideal for bedding, borders, pots or porch-boxes—annual.

## DOUBLE CAMELLIA FLOWERED STRAIN

2403 **Flesh Pink.** Satiny light rosy pink.
2404 **Salmon Queen.** Beautiful bright salmon rose.
2406 **Solferino.** White, lilac and scarlet.
2405 **Scarlet.** Brilliant fiery red.
2409 **White Perfection** (Alba Perfecta). Pure white.
2410 **Double Camellia Flowered Mixed.** All colors. Per ¼ oz. 40c.
2412 **Double Rose Flowered Mixed.** Very double. ¼ oz. 25c.
Price of any of the above varieties 10c per packet.

## BEGONIAS

Fr. *Begonia* Ger. *Begonien Schiefblatt*

Begonias of the Semperflorens type take a very high rank among bedding plants; succeeding perfectly in full sunlight, they supersede all others in their ability to grow and bloom in positions partially or wholly shaded. They are also extensively used as pot plants. The neat compact bushes about 1 ft. in height are covered with brilliantly colored flowers practically all through the year.

The seed of these handsome perennials should be sown in seed pans in fine soil composed of loam, leaf mould and sand. When sowing, first press down the soil with a small board or with the hand, scatter the seed on the surface and again press the soil firm, but do not cover the seed. Water with a fine misty spray or allow the water to soak up from below. When large enough, the plants should be potted or planted in boxes until time to set out.

2418 **Semperflorens Alba.** Pure white, bright green leaves. Packet 25c.
2419 **Semperflorens Rosea.** Bright rose, light green leaves. Packet 25c.
2424 **Vernon** (Atropurpurea). Bright orange-carmine flowers, deep red foliage. Packet 25c.
2422 **Luminosa.** Fiery dark scarlet, leaves reddish brown. Packet 25c.
2423 **Prima Donna.** Limpid rose shading to carmine. Packet 25c.
2430 **Semperflorens Choicest Mixed.** Everblooming strain containing all colors; 60c per 1-16 oz., packet 15c.

## TUBEROUS-ROOTED BEGONIAS

Tuberous rooted Begonias are considered the most beautiful of all bedding plants for shaded locations in summer and, besides, are useful for many months as pot plants in-doors or under glass.

From seeds sown in early spring, and with generous treatment, plants may be flowered in six months.

Follow instructions given above for Semperflorens Begonias.

2436 **Germain's Choice Single Tuberous rooted Mixed.** Packet 50c.
2438 **Germain's Finest Single Fringed Tuberous rooted Mixed.** Packet 50c.
2440 **Germain's Superfine Double Tuberous rooted Mixed.** Packet 50c.

## BELLIS

**(English Daisy)**

Fr. *Paquerette* Sp. *Bellorita* Ger. *Massliebchen*
*Margarita Inglesa*

Double Daisies now rank among the most valuable plants for spring gardening, and beds composed entirely of these flowers give a very pretty effect. They are perennial but flower the first season from seed planted early in spring or they may be started in mid-summer for the following spring's blooming. They attain a height of 6 inches and are favorites everywhere for low edging.

2452 **Etna.** Rich deep red quilled; giant flowered. Pkt. 15c.
2443 **Mammoth Rose.** Extra large flowers, fully double. Packet 15c.
2442 **Mammoth Red.** Petals slightly quilled. Packet 15c.
2444 **Mammoth White.** Extra large pure white. Packet 15c.
2445 **Mammoth Mixed.** Rose, red and white. 2 packets for 25c Packet 15c.
2450 **Double Mixed. Numerous double flowers. Per ⅛ oz. 60c, per packet 10c.**

## BIGNONIA

Splendid strong growing woody perennial climbers. Very popular for covering pergolas, porches, walls, pillars, etc.

2455 **Radicans.** Bright orange scarlet. Per packet 10c.
2456 **Tweediana.** Golden yellow flowers, foliage evergreen. Per packet 10c.

## BOLTONIA

**(False Chamomile)**

Bol-toh'-ni-a

Fr. *Boltonie*

2461 **Latisquama.** Showy perennial growing 4 to 5 feet high, with very numerous daisy-like flowers of pleasing lilac-pink. Packet 15c.

## BRACHYCOME

**(Swan River Daisy)**

Brak-i-koh'-me

Fr. *Brachycome* Ger. *Blaustern*

2464 **Iberidifolia.** Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height 9 inches. Per ¼ oz. 50c, packet 10c.

## BROWALLIA

**(Amethyst)**

Broh-wahl' or Broh-wal'-i-a

Fr. *Browalle*

2468 **Elata Mixed.** Favorite summer blooming annuals, 18 inches in height. The flowers of unique amethyst blue and white are very freely produced. Packet 15c.

## CACALIA

Ka-kay'-li-a

Fr. *Cacalie*

**(Flora's Paint Brush or Tassel Flower)**

2475 **Coccinea.** Vivid orange scarlet flowers beautiful for cutting. The plants are annual and reach 8 inches in height. Packet 10c.

## CACTUS

Cactus

Fr. *Cactus* Ger. *Kakteen*

2490 **Choice Sorts Mixed.** Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristic of these desert plants. Sow the seed in well drained light soil in a sheltered place and water carefully. Per packet 20c.

## CALENDULA

Kal-end'-u-la

Fr. *Souci* Ger. *Ringelblumen* Sp. *Maravilla Merca dela*

**(Pot Marigold or Winter Marigold)**

One of the best and showiest of free flowering annuals and an "all year flower" in California. In colder climates it is an excellent pot plant for winter blooming. As a garden plant it is very effective in solid beds, borders, etc., and as a cut flower it has remarkable keeping qualities. It is of the easiest culture. Height 18 inches.

2498 **Chrysantha—Chrysanthemum Flowered.** See Novelty Section, pages 10-17.

2495 **Campfire.** A superb variety, color deep fiery orange. Per packet 15c.

2496 **Germain's Orange King.** A splendid variety with enormous orange flowers, perfectly double and with dark center. Blooms early and remains in flower during the whole season. Oz. 40c, packet 10c.

2507 **Radio.** A novel and attractive addition to Calendula group. Deep orange in color with petals evenly and prettily frilled. ⅛ oz. 45c, packet 15c.

2508 **Golden Beam Radio.** Golden yellow form of the orange colored radio. Good cut flower. Pkt. 25c.

2493 **Ball's Orange.** Glowing orange throughout, long stems and very large flowers. 2 packets for 25c, packet 15c.
2491 **Ball's Supreme.** Cadmium orange, dark brown center. Per packet 15c.
2492 **Ball's Gold Improved.** Rich golden yellow. Per packet 15c
2494 **Lemon Queen.** Identical with Orange King in size and form but a rich lemon in color. Per oz. 30c, packet 10c.
2504 **Masterpiece.** Rich golden orange flower with a contrasting dark center. Large, good stem and a bright clear color. Pkt. 25c.
2503 **Meteor.** Orange striped with cream, attractive for cutting. Per packet 10c.
2506 **Royal or Trianon.** Yellow, striped orange, with dark center. Per packet 10c.
2505 **Nankeen.** Cream flushed apricot. A delicate shade. Per packet 10c.
2510 **Germain's Extra Double Mixed.** A choice mixture of many sorts. Oz. 30c, packet 10c.
Collection: One packet each of the seven varieties 60c.

Calliopsis

## CALLIOPSIS

Fr. *Calliopsis* Ger. *Schongesicht*
Sp. *Margarita amarilla*

Handsome free flowering annuals, succeeding in any soil or situation. They are very effective for bedding or massing and if the spent flowers are cut may be kept blooming until late autumn. It is best to sow where they are to bloom thinning them to stand 6 to 8 inches apart. The plants grow 2 to 3 feet high and supply a wealth of pretty cut flowers.

2513 **Bicolor.** Yellow with dark eye. Per oz. 45c.

2515 **Crimson King.** Rich crimson. Per oz. 75c.
2514 **Coronata.** Extra large yellow. Per oz. 60c.
2517 **Golden Wave.** Golden yellow, Chestnut Center. Per oz. 60c.

2521 **Double Mixed.** Double and semi-double. Per oz. 60c.

2520 **Choice Sorts Mixed.** Per oz. 40c.

Price: **Any of the above 10c per packet.**

## CALAMPELIS

2478 **Scabra.** Beautiful perennial vine, 6 feet in height, valuable for trellises, etc., and bearing freely large deep orange flowers. Per packet 10c.

## CALCEOLARIA

Kal-see-oh-lair'-i-a

Fr. *Calceolaire* Ger. *Pantoffelblumen*

2481 **Hybrida Superba.** A beautiful large flowering strain, colors rich and varied. Sow seed as recommended for begonias. 3 packets for $1.00, packet 35c.

## CLEOME

**Spider Flower**

2726 **Pungens Rose Queen.** Very showy annual attaining a height of 4-5 feet, producing fantastic flowers of bright rose. Easily grown and good for bees. Pkt. 10c.

Giant Hyacinth Candytuft

# GAY COLORED CANDYTUFT

Iberis (y-ber'-is)
Fr. *Thlaspi* Ger. *Schleifenblume*
Sp. *Carraspique*

One of the most popular annuals for furnishing beds and borders with masses of color during the spring and summer months. It is best to sow the seeds where the plants are to bloom, thinning the seedlings to stand 8 to 10 inches apart. They may be started at any time during the spring or fall. Height about 1 foot.

2549 **Giant White Hyacinth Flowered.** Differing from the umbellata type in that the flowers are in longer heads and larger flowers. Per packet 10c.

2562 **Miniature Gem.** A miniature hyacinth flowered form for rock garden and borders. Pkt. 25c.

### UMBELLATA STRAIN

2554 **Flesh Pink.** Delicate rosy pink; oz. 45c.
2556 **Lavender.** Soft pinkish lavender; oz. 45c.
2559 **Rose Pink.** Bright rose color; oz. 45c.
2558 **Rose Cardinal.** Beautiful rosy-red; oz. 75c.
2551 **Carmine.** Bright carmine rose; oz. 45c.
2552 **Crimson.** Rich red shade; oz. 45c.
2557 **Albida.** Pure white; oz. 45c.
2560 **All shades mixed.** Oz. 40c.

Price: Any of the above varieties 10c per packet.

Collection: One packet each of seven colors for 50c.

2564 **Gibraltarica.** Perennial lilac flowered variety, growing about 6 inches high, valuable for rock gardens and borders. Pkt. 10c.

# CHABAUD'S EVERBLOOMING CARNATIONS

Fr. *Oeillet* Ger. *Nelken* Sp. *Claveles*

A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double and blooms indefinitely.

2582 **Bright Rose.**
2583 **Dark Crimson** (Black Prince).
2584 **Flesh Pink.**
2585 **Scarlet.**
2586 **Pale Lilac** (Pearl).
2587 **White** (Jeanne Dionis).
2588 **Yellow** (Marie Chabaud).

Collection: One packet each of the seven colors for 90c.

Price of the above varieties 15c per packet.

2590 **Chabaud's Everblooming Giant Flowered. Mixed.** Per packet 15c.

2591 **New Giant Enfant de Nice.** Mixed. ⅛ oz. 90c, packet 25c.

## MARGUERITE CARNATIONS

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.

2565 **Rose.** ⅛ oz. 45c.
2566 **Scarlet.** ⅛ oz. 45c.
2568 **White.** ⅛ oz. 45c.
2569 **Yellow.** ⅛ oz. 60c.
2570 **Marguerite Choice Large Flowered Mixed.** ¼ oz. 60c.

Price: Any of the above 10c per packet.

## CANARY BIRD VINE

3988 A tall annual climber of the Nasturtium family, producing a profusion of attractive golden yellow flowers. Per packet 10c.

## CANNA

Kan-na
**(Indian Shot)**
Fr. *Balisier* Ger. *Blumenrohr*

While Cannas are usually set out in the form of rhizomes commonly called bulbs (see Nursery Dept.) very fine plants are also obtainable from seed.
The strain we offer is large flowered and dwarf growing.

2563 **Crozy's Choice Mixed.** Per packet 10c.

## CARDINAL CLIMBER

3211 **Cardinalis.** Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers. Per packet 15c.

## PERENNIAL CAMPANULAS

2542 **Carpatica** (Carpathian Harebell). Clear blue, splendid for edging; 1 foot. Packet 15c.
2541 **Pyramidalis** (Chimney Bellflower). Blue. A tall stately perennial, 4 feet in height. Per packet 15c.

# COCKSCOMB CELOSIA CRISTATA

Celosia cristata (see-loh'-si-a)
**(Cockscomb)**
Fr. *Crete de Coq* Ger. *Hahnenkamm*
Sp. *Cresta de Gallo*

Showy, sun-loving annuals, perfectly at home in the California summer sunshine where their large highly colored crests add a gay note to innumerable gardens. Sow under cover very early in spring or later in the open and transplant or thin to 10 inches apart.

2620 **Cristata Tall Mixed.** Shades of red, pink and yellow, height 18 inches. ¼ oz. 45c, packet 10c.

2614 **Cristata Dwarf Empress.** Rich crimson combs, about 1 foot high, dark foliage. Per packet 15c.

2621 **Cristata Nana.** Dwarf golden yellow. Per packet 15c.

2615 **Cristata Glasgow Prize.** Immense deep crimson combs, 1 foot. Per packet 15c.

2618 **Cristata Dwarf Mixed.** Plants about 1 foot in height bearing immense combs in many showy colors. ¼ oz. 60c, packet 10c.

## CAMPANULA MEDIUM

Kam-pan'-eu-la
**(Canterbury Bells)**
Fr. *Campanule* Ger. *Glockenblume*
Sp. *Campanilla*

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

## CUP AND SAUCER CANTERBURY BELLS

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

2536 **Calycanthema Blue.**
2537 **Calycanthema Rose.**
2538 **Calycanthema White.**
2540 **Calycanthema Mixed.**

Price of above varieties 15c per packet; ⅛ oz. 60c.

## ANNUAL CANTERBURY BELLS

2523 **Canterbury Bells—Annual Mixed.** See Novelty Section, pages 10-17.

## SINGLE CANTERBURY BELLS

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes 2½ to 3 feet high.

2525 **Single Blue.**
2526 **Single Rose.**
2527 **Single White.**
2530 **Single Mixed.**

Price: Any of the above 10c per packet.

## DOUBLE CANTERBURY BELLS

2535 **Double Mixed.** A fine mixture of all colors. ⅛ oz. 60c, per packet 15c.

Candytuft Umbellata

# SHOWY PLUMED CELOSIAS

(Feathered Cockscomb)

Fr. *Celosie a Panache* Sp. *Celosi*

Ger. *Federbusch-Hahnenkamm*

(Feathered Cockscomb)

The feathered cockscombs are quite distinct in form, producing tall fluffy plumes 2 feet or more in height and are excellent material for summer beds or borders. They may also be cut and dried for winter decoration in the home.

2607 **Plumosa Golden Yellow.** Packet 10c.

2606 **Plumosa Dark Crimson.** Packet 10c.

2608 **Thompsoni Magnifica Mixed.** Graceful feathery plumes, 3 feet in height and ranging in color from clear yellow to deepest blood-red. Packet 15c.

2610 **Plumosa—Feathered Cockscomb Mixed.** All shades. ½ oz. 45c, packet 10c.

## CELOSIA CHINESE WOOLFLOWER

A new and very attractive form of the feathered or Plumosa type, forming immense round heads resembling huge balls of silky wool.

2604 **Chinese Woolflower. Crimson.** Per packet 25c.

2605 **Chinese Woolflower.** Pink. Packet 25c.

2602 **Chinese Woolflower.** Mixed shades of red, pink and yellow. Packet 15c.

## CERASTIUM

Ser-as'-ti-um

(Jerusalem Star)

Fr. *Cerastium* Ger. *Hornkraut*

2647 **Tomentosum.** Hardy perennial invaluable for rockeries and edgings; foliage silver grey. Height 6 inches, flowers purplish lavender. ¼ oz. 45c; packet 15c.

## CHERIANTHUS

2649 **Allioni.** An early flowering perennial with gorgeous orange flowers. Unusually showy and delightfully sweet scented. Per packet 10c.

## CLIANTHUS

2727 **Puniceus** (New Zealand Parrot's Bill). Perennial. A very handsome climber. Bright scarlet. Height 6 feet. Per packet 15c.

## COBOEA

2730 **Scandens.** A very rapid annual climber, quickly attaining a height of 30 feet or more. The flowers are large, bell-shaped, deep purple in color. ¼ oz. 30c, packet 10c.

## PERENNIAL WHITE LEAVED CENTAUREAS

(Dusty Miller)

2644 **Gymnocarpa.** Finely cut, silvery white foliage, 12 inches. Per packet 10c.

2643 **Candidissima.** Very decorative foliage plants for borders, etc., silvery white leaves broadly cut. Flowers yellow. ⅛ oz. 60c. Per packet 10c.

Annual Chrysanthemum

Celosia (Chinese Woolflower)

## CENTAUREAS

Sen-tau-ree'-a

The Centaureas include two of the most popular garden annuals both for bedding and for cut flowers. They are extremely easy to grow and may be started any time either in boxes or in the open. Cover the seeds lightly or rake in and keep moist. 2½ to 3 feet.

SWEET SULTAN

Fr. *Centauree* Sp. *Dulce Sultana*

A magnificent strain producing large, fringed and exquisitely scented flowers, very lasting when cut.

2632 **Amaranth Red.**

2633 **Giant Brilliant Rose.**

2635 **Giant Delicate Lilac.**

2634 **Giant Deep Lavender.**

2636 **Giant Deep Purple.**

2637 **Giant White.**

2639 **Giant Yellow** (Suaveolens).

2640 **Royal Sweet Sultan Giant Mixed;** ½ oz. 45c.

Price of the above varieties 10c per packet. Collection: 1 packet each of seven colors 55c

## DOUBLE CORNFLOWER

Fr. *Bleuet, Barbeau* Ger. *Kornblumen*

(Centaurea Cyanus)

Sp. *Boton del Soltero*

An old favorite known also as Bachelor's Buttons, Blue Bottle, Bluet, etc. One of the hardiest of annuals succeeding anywhere and responding quickly to what little care and cultivation may be bestowed upon it. The double sorts listed below are greatly improved both in size, type and range of color and are not to be compared with the old single strain.

2624 **Germain's Extra Double Deep Blue.** One of the finest blue annuals in cultivation. Flowers very large, fully double; oz. 60c.

2626 **Extra Double Rose Pink.** Oz. 60c.

2627 **Extra Double Pure White.** Oz. 60c.

2628 **Double Brick Red (Miniata).** Oz. 60c.

2630 **Extra Double Finest Mixed.** Oz. 40c.

Price: Any of the above sorts 10c per packet.

2642 **Centaurea Americana** (Basket Flower). A native species of great beauty, growing to a height of 3 to 3½ feet and excellent for cutting. Large lilac flowers. Per packet 10c

# COLORFUL ANNUAL GARDEN "MUMS"

## ANNUAL SUMMER CHRYSANTHEMUMS

Annual Chrysanthemums are invaluable for summer gardening. Our list contains the finest improved varieties producing large showy flowers on bushy plants 2 to 3 feet high and blooming throughout the summer. Sow where they are to bloom and thin to 1 foot apart.

they are to bloom and thin to 1 foot apart.

2651 **Burridgeanum.** Petals white with center surrounded by ring of deep red and inner zone of yellow. ½ oz. 35c.

2656 **The Sultan.** Rich Scarlet. ½ oz. 35c.

2652 **W. E. Gladstone.** Deep crimson. ½ oz. 35c.

2661 **Chameleon** (Eclipse) golden zoned scarlet. ½ oz. 25c.

2662 **Northern Star.** Giant white, yellow zone, ½ oz. 25c.

2677 **Eastern Star.** Clear yellow with dark center. ½ oz. 35c.

2678 **Morning Star.** Canary yellow with dark disc. ½ oz. 35c.

2660 **Choicest Single Mixed** (Painted Daisy). All colors. Oz. 45c.

2665 **Annual Double Mixed.** A beautiful new strain, giving a large percentage of perfectly double flowers in many shades of red, purple, yellow, white, etc. ½ oz. 45c.

2672 **Coronarium Double Yellow.** Hardy vigorous grower, excellent for cutting. Oz. 55c.

2671 **Coronarium Double White.** A fine white flower for cutting. Oz. 55c.

2675 **Coronarium Double Mixed.** Oz. 45c.

Price of the above varieties 10c per packet.

2653 **El Dorado.** See Novelty Section, pages 10-17.

## PARIS DAISY

(Marguerite)

2679 **Chrysanthemum Frutescens.** Pure white daisy-like flowers very freely produced on heavily branched bushes 2½ feet high. Per packet 15c.

## SHASTA DAISY

(Chrysanthemum Leucanthemum)

2680 **Alaska.** A splendid hardy perennial with flowers of glistening white frequently 5 inches across, with broad overlapping petals and borne on strong stems of medium height ideal for cutting. Per packet 15c.

2681 **Shasta Daisy or Ox-Eye Daisy.** Very numerous large pure white flowers with small yellow center and borne on long stems. ¼ oz 65c, packet 10c.

2687 **Giant Double Shasta Daisy (new).** The beautiful white double flowers are 5 inches across and are very similar to shaggy petalled asters. They are borne on long stiff stems and are very valuable for cutting. Being a new variety a percentage of single flowers may be expected. Pkt. 25c.

## AUTUMN CHRYSANTHEMUMS

Undoubtedly the choicest of autumn flowering perennials for garden or pot culture. A wide range of colors and many fine double flowers may be produced in fall from seed sown in early spring in seed boxes and later transplanted to the open. 3 to 4 feet.

2685 **Japonicum Extra Large Double Mixed.** Immense flowers, beautiful colors and many doubles. Per packet 25c.

Double Cosmos

# COSMOS FOR SUMMER AND FALL

## COSMOS

Koz'-mos

Fr. *Cosmos* Ger. *Cosmos* Sp. *Cosmos*

Very graceful tall annuals, with large long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high and produce a wealth of excellent cut flowers. They are very useful for back grounds and screens, or wherever tall heavily branched flowering plants are needed. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

## GERMAIN'S EXTRA EARLY GIANT COSMOS

A new strain producing large flowers and commencing to bloom in the early summer.
2752 **Early Giant Crimson.**
2753 **Early Giant Rose.**
2754 **Early Giant White.**
2755 **Early Giant Mixed.** Oz. 60c.
Price: Any of the above 10c per packet. Collection of a packet each of the three colors for 25c.

## EXTRA EARLY DOUBLE CRESTED

2767 **Carnelia.** Crimson. ⅛ oz. 75c, packet 20c.
2766 **Peach Blossom.** Pink. ⅛ oz. 75c, per packet 20c.
2768 **Whirlwind.** White. ⅛ oz. 75c, packet 20c.
2769 **Extra Early Double Mixed.** ⅛ oz. 60c, packet 20c.

## GERMAIN'S MAMMOTH FLOWERING COSMOS

This beautiful strain attains remarkable proportions; bushes are broad and tall, flowers of largest size and with wide overlapping petals. If given an early start they bloom from mid-summer until late autumn.
2756 **Mammoth Flowering Crimson.** Brilliant deep red.
2757 **Mammoth Flowering Pink.** Bright rosy pink.
2758 **Mammoth Flowering White.** Very large pure white.
2760 **Mammoth Flowering Mixed.** Oz. 30c.
Price of the above varieties 10c per packet. Collection of one packet each of the three colors 25c.

## DOUBLE CRESTED COSMOS

Flowers well filled in the center with a crest of narrow petals; some singles will appear but these are also very beautiful.
2763 **Crimson King.** Rich deep red. Per packet 15c.
2764 **Pink Beauty.** Soft satiny pink. Per packet 15c.
2765 **White Queen.** Pure white. Per packet 15c.
2770 **Germain's Double Crested Mixed.** ¼ oz. 60c, packet 15c.
One packet of each of the 3 colors for 40c.

## ORANGE YELLOW COSMOS

2762 **Klondyke.** A tall, vigorous species with large orange yellow flowers abundantly produced in the fall. ⅛ oz. 30c, packet 10c.

## CLARKIA

Klar'-ki-a

Fr. *Clarkia* Ger. *Kreuzblume* Sp. *Clarkia*

Very free flowering annual of easy culture producing handsome double flowers on leafy stems and valuable for bedding for borders and for cutting. 2 to 3 feet. Sow in spring or fall in sun or partial shade.
2711 **Double Apple Blossom.**
2712 **Double Brilliant Rose.**
2715 **Double White (Alba).**
2716 **Double Salmon Queen.**
2717 **Double Scarlet.**
2720 **Double Choice Mixed.** ¼ oz. 30c.
Price of the above varieties 10c per packet. Collection of six packets for 40c.

## CLEMATIS

2722 **Paniculata** (Japanese Virgin's Bower). Strong rapid grower with dense, rich green foliage and producing a wealth of fragrant, pure white flowers in summer. Packet 10c.
2725 **New Large Flowered Hybrids.** Exceedingly beautiful and always greatly admired. Packet 25c.

## CLIANTHUS

Kly-an'-thus

Fr. *Clianthus*

Handsome sun-loving perennials from Australia, bearing clusters of bright pea shaped flowers. Sow the seeds in a dry sunny situation and water sparingly. 4 feet.
2727 **Puniceus** (New Zealand Parrot's Bill). Large bunches of showy red flowers. Per packet 25c.
2728 **Dampieri** (Australian Glory Pea). Clusters of brilliant scarlet flowers marked with black. Per packet 25c.

## CUPHEA

**(Cigar Plant)**

Ger. *Kocherblumchen*

Pretty dwarf woody perennials ideal for borders and edging. Height about 1 foot.
2774 **Miniata.** Deep scarlet with lilac center. Per packet 10c.
2775 **Platycentra.** Russet orange. Packet 25c.

## COLEUS

**(Flame Nettle)**

Fr. *Coleus* Ger. *Blumennessel* Sp. *Coleo*

2733 **New Large Leaved Hybrids.** Our strain of large leaved varieties produces the most highly colored and novel foliage plants for summer bedding or house culture. Sow in seed box in early spring and transplant. 2 feet. Per packet 25c.
2735 **Finest Mixed.** Beautiful variegated foliage, strong plants, 2 feet high; of great decorative value. Per packet 15c.

## COLLINSIA

**(Innocence)**

Fr. *Collinsia* Ger. *Collinsieu*

2737 **Bicolor.** Slender, graceful annual 1½ to 2 feet high, bearing clusters of lilac flowers prettily marked with white, violet and purple. Oz. 60c, packet 10c.

## COREOPSIS

Fr. *Coreopsis* Ger. *Madchenauge* Sp. *Coreopside*

2749 **Lanceolata Grandiflora.** Perennial, showy golden yellow flowers, abundantly produced. They thrive anywhere and bloom the first season. Oz. 50c, packet 10c.
2747 **Flora Plena.** Double yellow. ¼ oz. 55c; packet 15c.
2750 **Auricula Superba.** Petals golden yellow with brownish zone encircling center. Pkt. 25c.

## CYCLAMEN

Syk'-la-men

Fr. *Cyclamen* Ger. *Alpenveilchen* Sp. *Ciclamen Saubrot*

Charming tuberous perennial plants for the house or sheltered situations in the garden. Foliage rich deep green, flowers brilliantly colored and fragrant. Seeds should be planted ½ inch deep in well prepared seed boxes and seedlings moved to small pots. Cyclamen bloom in about 15 months from seed.
2782 **Cherry Red.** Bright cherry red.
2786 **Pearl of Zehlendorf** (Glory of Wandsbeck). Deep salmon.
2787 **Rose of Zehlendorf.** Bright salmon.
2783 **Rose of Marienthal.** Bright rose.
2781 **Vulcan.** Beautiful dark red.
2796 **Pure White.**
2795 **White.** Carmine eye.
Price: 100 seeds $2.00, per packet 50c.
2800 **Persicum Giganteum.** Finest Giant strain mixed. Per packet 35c.
2798 **Papilio** (Butterfly). Petals prettily fringed. Mixed colors. Per packet 25c.

## CYPRESS VINE

Attractive climbers of the Morning Glory family with delicate feathery foliage and abundance of pretty flowers. Annual. 10 feet.
3212 **Scarlet.** Per packet 10c.
3213 **White.** Per packet 10c.
3215 **Choice Mixed.** Per ½ oz. 35c, packet 10c.

## CYNOGLOSSUM

Syn-o-glos'-sum

**(Chinese Forget-me-not)**

Fr. *Cynoglosse* Ger. *Hundszunge*

2807 **Amabile.** Brilliant metallic blue; ¼ oz. 30c, packet 10c.

## GERMAIN'S PRIZE CINERARIAS

Sin-er-air-i-a

Fr. *Cineraire* Ger. *Cinerarien* Sp. *Cineraria*

It would be hard to find a flowering pot plant or bedding plant of more resplendent beauty than the Cineraria. It produces gorgeous spikes of large blossoms in the most vivid shades during the late winter and early spring and delights in a cool shady location succeeding wonderfully well even out doors in Southern California. The seed should be sown in summer or early fall in seed pans.

2704 **Germain's Giant Exhibition Strain.** This is by far the most beautiful and finest strain we have seen. The flowers of enormous size are borne on sturdy plants about 18 inches in height. The colors range from white and light pink through rose, scarlet and purple, to deep crimson and royal blue. Packet 35c.
2700 **Choice Hybrids Mixed.** Very beautiful large flowering strain imported from the best European sources. Packet 20c.
2705 **Stellata** (Star Cineraria). A very popular strain producing innumerable star shaped flowers of good size and in a fine range of colors. Packet 25c.

2706 **Maritima Candidissima.** This as well as the white leaved Centaurea, is called Dusty Miller. The downy deeply cut foliage is silvery-white in color. Packet 10c.

Giant Exhibition Cinerarias

## DAHLIAS

Dahl'-i-a

Fr. *Dahlia* Ger. *Dahlien* Sp. *Dalia*

While Dahlias are more frequently grown from tubers or roots it is quite possible and very interesting to grow them from seed. This may be done in one season, even from seed sown in the open ground as late as April. Dahlias are very variable and results obtained usually show a bewildering assortment of colors and shapes.
2810 **Giant Double Flowered Mixed.** Saved from a beautiful collection of giant decorative and cactus varieties. Per packet 35c.
2812 **Single Sorts Mixed.** All colors. Per packet 10c.
2814 **Pompon Mixed.** Dwarf small flowered, very double. Per packet 35c.

**ANNUALS IN THE GARDEN**

**By H. Stuart Ortloff, L. A.**

Gives suggestions for the use of these popular plants. It contains full instructions for growing annuals. Illustrated with photographs, and seventeen interesting landscape plans. $1.25.

Delphinium Bordering Garden Path

# GERMAIN'S CALIFORNIA HYBRID DELPHINIUMS

## GERMAIN'S GIANT HYBRIDS

After several years of careful field study and selection of the best strains of Delphinium, we planted the group from which this seed was gathered at our Van Nuys Nursery. We do not boast when we say that every one who saw these remarkable flowers exclaimed that they had never seen such Delphinium at any time anywhere. We have been so gratified in our efforts with these blooms that we are inspired to offer them as one of our specialties. We highly recommend them and know they will bring delight and satisfaction to our customers.
Per packet 50c, ⅛ oz. $1.60.

## NEW HOLLYHOCK STRAIN

2829 This striking type is the result of several years of painstaking reselecting by a noted California Hybridizer. The flowers are large, fully double, well-placed on long, pyramidal spikes; their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. The color range is most pleasing and we strongly recommend it to all who prefer the bright and lighter shades. Per packet 25c.

## IMPROVED BELLADONNA

2837 **Cliveden Beauty.** A greatly improved light blue variety. It is a strong grower with exquisite large flowers of clear turquoise blue. Pkt. 20c.
2828 **Cambridge Blue.** A clear light blue annual Chinensis type variety. Pkt. 20c.

Single Flower Giant Strain

## IMPROVED ENGLISH HYBRIDS

Selections made from many excellent Delphinium varieties recently imported from England have given rise to this improved strain of English Hybrids. They have proved exceedingly successful in California and produce an abundance of flowers of great beauty. It is a strain we can heartily recommend, knowing that it cannot fail to give great general satisfaction.

This strain is now available also in separate shades which are offered below:

2824 **Deep Blue Shades.** Rich velvety purple and blue.
2826 **Mid Blue Shades.** Lovely violet and light purples.
2839 **Light Blue Shades.** Delicate turquoise and azure blue.
2840 **Pastel Shades.** Exquisite blendings of mauve, lavender, light blue, etc.
2831 **Improved English Hybrids Mixed.** A superb mixture containing the full range of color.
Price: Any of the above 25c per packet.
2825 **Delphinium Belladonna** (California Strain). No summertime visitor to California can fail to see this exquisite flower, for every flower store in Southern California displays huge baskets of it through the major part of the season. It is indeed the cut flower "par excellence" among Delphiniums. We have been told that our California strain of Belladonna is of a purer turquoise blue; it is undoubtedly very lovely. The plant grows to a good height, blooms abundantly and is worthy of a place among the best in every garden. Per packet 15c.
2827 **Delphinium Bellamosum.** A deep royal blue variety. It is said to be a hybrid between the foregoing and Formosum, but is perhaps a more vivid and intense blue. It has the tall habit and profuse growth of Belladonna and is the finest of the dark blue sorts. Per packet 15c.
2832 **Gold Medal Hybrids.** Improved double flowering hybrids. The plants grow to 5 feet in height and produce large full flowers in a great variety of delicate colors, especially in the lighter shade of blue. Per packet 15c.
2835 **Elatum Hybridum Single Mixed.** A very choice strain of light and dark blue shades. Height 5 feet. Per packet 10c.

## DELPHINIUM CHINENSIS

**(Chinese Delphinium)**

Very attractive species blooming quickly from seed. They grow to a height of 2 or 3 feet and are useful for bedding and cut flowers. The seed may be sown in the open in spring for summer blooming.
2819 **Chinensis Album Grandiflorum.** Large flowering white.
2822 **Chinense Dark Blue.** Deep royal blue.
2821 **Chinense Azure Blue** (Azure Fairy). Delicate sky blue.
2823 **Chinense Blue Butterfly.** Bright navy blue, excellent cut flower.
Price of the above 10c per packet.

Hollyhock Strain

Euphorbia—Snow on the Mountain

## DIDISCUS

(Blue Lace Flower)

2885 **Coeruleus.** This elegant annual plant blooms abundantly from July until November. The flowers are of an exquisite "lacy" texture hard to describe. A delicate lavender shade and invaluable for cutting. Height 18 inches. ¼ oz. 60c; packet 10c.

## DIGITALIS

(Fox Glove)

Fox gloves are tall, showy, hardy plants with green spikes of closely set flowers in many attractive shades. They are favorites in the hardy border and for growing between shrubs and in shady places. Sow in spring or fall. Height 4 to 5 feet.

2890 **Gloxiniaeflora.** Handsome spotted Gloxinia-like flowers on long spikes. Mixed colors. ¼ oz. 30c, packet 10c.

## DIMORPHOTHECA

(African Orange Daisies)

These are among the best winter flowering annuals. If started in September they begin to bloom in January. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of bloom.

2889 **Salmon Beauty.** Delicate and attractive salmon. Packet 15c.

2891 **Aurantiaca.** Bright orange. ¼ oz. 50c, packet 10c.

2892 **Finest Hybrids Mixed.** Colors range from white, cream and salmon to deep orange. ¼ oz. 50c, packet 10c.

2893 **Golden West.** Superb golden yellow. ¼ oz. 65c, packet 10c.

2896 **Eklonis.** Perennial, making a spreading bushy plant covered with large white flowers with small deep blue center. Pkt. 15c; ⅛ oz. 35c.

One packet each of the 5 sorts for 50c

## DOLICHOS

2897 **Lablab (Hyacinth Bean).** Rapid annual climber flowering freely in erect racemes. Mixed colors. Per oz. 30c, per packet 10c.

2898 **Lignosus (Australian Pea).** Rose and purple; one of the best climbers for a hot, dry climate. Perennial. Height 15 feet. Packet 10c.

## ERIGERON

2910 **Speciosa Hybridus.** Mauve blue flowers with yellow centers. Pleasing perennial 1½-2 feet in height. Excellent for cutting and rock gardens. Pkt. 15c.

## ERYTHRINA

(Coral Tree)

2915 **Crista Galli.** Handsome decorative plant, producing showy racemes of rich scarlet flowers. Packet 25c.

## ROCK GARDEN PINKS

2880 **Deltoides.** Mixed. Invaluable plant for rockery, forming masses of small flowers. Hardy perennial. Height 6-8 inches. Pkt. 15c.

2878 **Caesius.** Another splendid rock plant forming rosy-pink flowers in great profusion. Perennial, very dwarf. Pkt. 15c.

## EUPHORBIA

Strong growing annual about 2 ft. in height. The flowers are inconspicuous; the foliage, however, is very ornamental.

2954 **Variegata (Snow on the Mountain).** Leaves heavily margined white. Packet 10c.

2955 **Heterophylla (Annual Poinsettia or Mexican Fire Plant).** In mid-summer the top center leaves of the branches turn scarlet giving the general effect of the Poinsettia. Packet 15c.

## ESCHSCHOLTZIA

The Golden Poppy of California, a native of our valleys and hillsides, has become one of the favorite garden annuals throughout the world. Many new shades have been obtained and the existing flowers have been greatly improved in size and color through cultivation and selection.

They thrive in any garden soil and should be sown where they are to bloom, thinning the plants to 6 or 8 inches apart. Height 1 to 1½ ft.

### SEVEN SPLENDID NEW CALIFORNIA POPPIES

2941 **Tango.** Bronze red and terra cotta.

2932 **Mauve Beauty.** Soft mauve rose.

2937 **Purple Glow.** Rich reddish purple.

2928 **Lovely.** Satiny rose suffused salmon.

2939 **Scarlet Beauty.** Deep scarlet.

2918 **Ballet Girl.** Frilled petals, carmine outside and creamy white inside.

2935 **Orange Flame.** Very erect, splendid for borders. Brightest orange scarlet.

2949 **Richest Shades Mixed.** Orange, pink, crimson, scarlet, etc. ½ oz. 60c.

Price: All the above varieties 15c per packet. Collection; One packet each of the seven new shades for 90c.

2952 **Double Enchantress.** A marvelous double California Poppy displaying a tyrian rose colored flower of very much charm. Per packet 25c.

### LARGE FLOWERING SORTS

2938 **Rosy Queen.** Soft rose-pink.

2924 **Deep Orange (True California Poppy).** Improved large deep orange, oz. 35c.

2925 **Extra Golden.** Rich yellow.

2927 **Golden West.** Large two-toned canary and orange yellow, oz. 30c.

2931 **Mandarin.** Orange and mandarin red.

2942 **The Geisha.** Fluted petals, golden inside and red outside.

2945 **Vesuvius.** Wallflower red.

2923 **Waller's Crimson.** Improved large carmine crimson, oz. 75c.

2946 **White.** Re-selected pure white.

2950 **Mixed.** Many shades of orange, yellow and white, oz. 30c.

Price: Any of the above varieties 10c per pkt. Collection: One packet each of the 9 colors for 65c.

## FERNS

Fr. *Fougere* Ger. *Farnen* Sp. *Helecho*

Should be grown in a peaty, sandy soil and moist shady position. Sow seed on the surface in seed pans or pots.

2959 **Greenhouse Species.** Many choice sorts mixed.

2960 **Open Ground Species.** Hardy sorts mixed.

Price of the above per packet 15c each.

## FREESIA

Freesias, although better known as bulbous plants, may easily be brought in flower from seed in one year.

2963 **Refracta Alba.** White. Packet 10c.

2965 **Rainbow Mixed.** Many beautiful shades. Packet 15c.

# GERMAIN'S ANNUAL PINKS

Delightfully fragrant and brilliantly colored annual or biennial border and bedding plants. They are quite similar to the Carnation and the double sorts rival these in value as cut flowers for the home. While biennial they bloom very quickly from seed, which may be sown at any time, and usually keep over for a second season. Most varieties reach a height of 8 to 10 inches.

### DOUBLE ANNUAL PINKS

2843 **Mourning Cloak.** Maroon, white edge. ¼ oz. 45c.

2848 **Malmaison.** Bright rose. ¼ oz. 60c.

2844 **Fireball.** Fiery scarlet. ¼ oz. 45c.

2849 **Purity.** Snow white. ¼ oz. 45c.

2856 **Double Diadem Pink.** Mixed. ¼ oz. 40c.

2852 **Laciniatus.** Mixed. Double fringed. ¼ oz. 40c.

2860 **Chinensis** (China Pink). Double mixed. ½ oz. 30c.

2855 **Heddewigii** (Japanese Pink). Double mixed. ½ oz. 50c.

2853 **Hybridus Flora Plena.** New double strain. ¼ oz. 50c.

Price of the above varieties 10c per packet. Collection: A packet each of the nine sorts for 75c.

### SINGLE ANNUAL PINKS

2863 **Crimson Belle.** Velvety Crimson. ¼ oz. 40c.

2866 **Eastern Queen.** Bright rose. ¼ oz. 45c.

2872 **Laciniatus.** Single fringed. ¼ oz. 30c.

2871 **Nobilis** (Royal Pink). Mixed. ¼ oz. 30c.

2870 **Heddewigii.** Single Japanese Pink mixed. ½ oz. 40c.

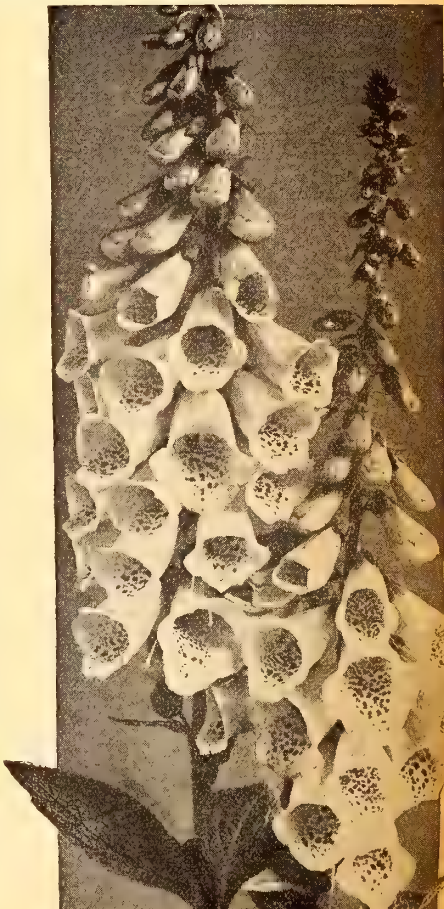
The above varieties are 10c per packet. Collection of the five varieties for 40c.

### PERENNIAL PINKS

2879 **Sweet Wivelsfield.** The most popular Dianthus introduced in recent years. Growing much like Sweet William only the flowers are larger and it has a much wider range of color. Per packet 20c.

2874 **Plumaris Fl. Pl. Mixed.** Beautiful double and semi-double flowers in a variety of pleasing shades. ⅛ oz. 45c, packet 10c.

2875 **Plumaris Mixed.** Single prettily fringed flowers. Both of these varieties have a refreshing spicy odor and are well adapted for beds, borders, etc. Per packet 10c.



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# GERMAIN'S GAILLARDIAS

Gaillardia Portola

## FOUR CHOICE VARIETIES

Few cut flowers are so dependable during the warm summer and fall months as these showy, large flowered gaillardias. They are perennial but bloom the first season from seed which may be started at any time of the year in California and Southern States.

We especially recommend the four varieties listed below as they are much larger, brighter in color and better in every way than the older types.

2968 **Burgundy.** See Novelty Section, pages 10-17.

2974 **Tangerine.** A compact grower with large tangerine colored flowers making it very distinct in coloring. A worthy garden subject. Packet 25c.

2969 **Dazzler.** The latest introduction and an immediate favorite with all cut flower growers on account of its dazzling color. It is an intense orange red which is exceedingly effective when cut. Plants are vigorous. stems long and wiry. A superb novelty. ⅛ oz. 50c, packet 20c.

2970 **Portola Hybrids.** A strain of recent introduction which is still among the best. The flowers are extra large, long stemmed and of splendid keeping quality. They are of a vivid red shade tipped with gold, after the manner of the original type but the colors are brighter, clearer and the flowers immense in comparison. ⅛ oz. 50c, packet 20c

Gayl-lar'-di-a
**(Blanket Flower)**

Fr. *Gaillarde* Ger. *Kokardenblume* Sp. *Gallardia*

Both the annual and perennial strains of Gaillardias are effective and valuable summer flowering plants for bedding, for borders and for cutting. If sown early they begin to bloom in July and continue a mass of bloom until late fall, blooming also in winter in all mild sections of the country. Height 2 to 2½ feet.

2977 **Picta.** Annual, crimson and orange, ½ oz. 40c.

2980 **Lorenziana Double Mixed.** Superb double flowering strain. Annual. ½ oz. 45c.

2972 **Grandiflora Maxima.** Perennial, golden yellow.

2976 **Indian Chief.** Copper red, a new color which cannot fail to win admiration. Pkt. 15c; ½ oz. 30c.

2973 **Grandiflora Sanguinea.** Perennial, blood-red with yellow border.

2975 **Grandiflora Superb Mixed.** Very large flowers in splendid combinations of crimson and gold. ½ oz. 45c.

Price of the above per packet 10c.

## FUCHSIA

2967 **Single and Double Mixed.** A well-known favorite. Does best in semi-shade. Our selection contains many choice shades in purple, red and white. Pkt. 50c.

## GENTIANA

Jen-shi-ay'-na

Fr. *Gentiane* Ger. *Enzian* Sp. *Genciana*

An alpine plant much used in rock work and for borders, 3 to 4 inches high.

2981 **Acaulis.** Intense blue. Packet 10c.

## GERANIUM

Jer-ay'-ni-um
Pelargonium (pel-ar-goh'-ni-um)

Fr. *Geranium* Sp. *Geranio* Ger. *Storchschnabel*
*Pelargonio*

2983 **Zonale Mixed.** Very interesting to grow from seed. Sow indoors early and set out in April or May. Packet 25c.

## GERBERA

Ger'-be-ra
**(Transvaal Daisy)**

Fr. *Gerbera* Ger. *Konigsmarguerite*

The original bright scarlet form was introduced from South Africa, but new colors quickly appeared and today a remarkable range is to be found in the New Hybrid Strain offered below.

The seed should be sown in seed pans of light, well drained soil, under shelter, and the young plants later set out in good rich soil with plenty of drainage and in a sunny spot.

2989 **Scarlet and Red Shades.** Packet 25c.

2990 **New Hybrids Mixed.** Many new shades in superb mixture. Packet 25c.

## GEUM

Jee'-um or gee'-um
**(Avens)**

Fr. *Benoite* Ger. *Chilenische Nelkenwurzel*

A hardy perennial border plant of great beauty and succeeding admirably in California where it blossoms practically the entire year. Sow seed in boxes and transplant out of doors in spring. 1½ to 2 feet. Pkt. 50c.

2994 **Mrs. Bradshaw.** Large double brilliant scarlet, constantly in bloom. Packet 15c.

2992 **Lady Stratheden.** A new golden yellow with large full flowers of great beauty. Packet 15c.

2993 **Prince of Orange.** Rich orange color, a sturdy plant and a most desirable variety. Packet 50c.

## GILLIA

Jil'-i-a
Fr. *Gilia*

2996 **Capitata.** A graceful annual with feathery foliage and globular heads of rich lavender blue flowers excellent for cutting. They may also be dried. Packet 10c.

2998 **Tricolor Mixed (Bird's Eyes).** Pretty annual about 1 foot high with pale lilac flowers. Yellow towards the center and with purple spots. Oz. 40c, packet 10c.

## GLADIOLUS

Glad-i-oh'-lus
**(Sword Lily)**
Fr. *Glaieul*

Widely known and usually propagated from bulbs. They are, however, easily raised from seeds, blooming usually the second year. Seeds saved from our own extensive fields.

3003 **Selected Choice Mixed.** Packet 25c

## GLAUCIUM

**(Horned Poppy)**

3002 Brilliantly colored biennial, bright orange poppy-shaped flowers. 3 to 4 ft. high. Pkt. 25c.

## GLOXINIA

Glox-in'-i-a

Fr. *Gloxinia* Ger. *Gloxinien*

3004, **Hybrida Grandiflora.** One of the most beautiful flowering pot plants for the house or conservatory. Sown in early spring in seed pans and later potted they bloom in 5 months. They thrive best in a mixture of peat, loam and sand. Packet 50c.

## GODETIA

Go-dee'-shi-a

Fr. *Godetia* Ger. *Morgenglanz* Sp. *Godecia*

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

3011 **Duke of York.** Crimson carmine, white center. Packet 10c.

3020 **Single Very Choice Mixed.** ½ oz. 45c, Packet 10c.

## LARGE FLOWERED TALL DOUBLE SORTS

3021 **Carmine.** Rich carmine center with lighter margin. ¼ oz. 35c.

3026 **Lilacina.** Mauve lilac. ¼ oz. 35c.

3028 **Rose.** Bright rose shade with carmine at base. ¼ oz. 35c.

3022 **Crimson.** Deep crimson heavily margined rosy red. ¼ oz. 35c.

3030 **Tall Double Mixed.** All colors. ¼ oz. 30c.

Price: Any of the above varieties 10c per pkt.

Gloxinia Hybrida Grandiflora

Double Hollyhocks

## ORNAMENTAL GOURDS

3095 **Cucumber Snake (Cucumis Flexuosus).** Packet 10c.
3108 **Wild Cucumber.** Very curious. Height 4 ft. Packet 10c.
3091 **Apple Shaped.** Height 10 ft. Packet 10c.
3093 **Bottle-shaped.** White flowers. Height 10 ft. Packet 10c.
3094 **Calabash-shaped or Pipe.** Height 10 ft. Packet 10c.
3096 **Dipper.** Height 10 ft. Packet 10c.
3097 **Dish Rag.** When properly prepared this is very serviceable in many ways. Height 6 ft. Packet 10c.
4098 **Egg Shaped.** "Nest Egg." Height 10 ft. Packet 10c.
3099 **Hercules Club.** Fruits 7 to 8 ft. in length. Height 15 ft. Packet 10c.
3101 **Orange Shaped (Mock Orange).** Height 15 ft. Packet 10c.
3102 **Pear Shaped.** Height 10 ft. Packet 10c.
3104 **Serpent (Trichosanthes Colubrina).** Very long and coiled. Height 10 ft. Packet 10c.
3114 **Spoon.** Height 8 ft. Packet 10c.
3106 **Sugar Trough.** Enormous, holding several gallons. Height 15 ft. Packet 10c.
3107 **Turks Turban.** Packet 10c.
3110 **Finest Mixture.** Oz. 45c, packet 10c.

## HELIOTROPE

Heliotrope (hee-li-o-troh'-pi-um)
**(Cherry Pie)**

Fr. *Heliotrope* Ger. *Sonnenwende* Sp. *Heliotrope*

Very attractive perennial plants valuable for bedding in semi-shaded location or may be trained up as climbers. Seeds sown under cover in early spring will make blooming plants by summer or they may be sown in the open in May.
3148 **Royal Dark Blue.** Large heads of deep purple flowers. Packet 25c.
3150 **Choice Mixed.** A fine strain containing many shades of lavender, purple and white. Packet 10c.

## HESPERIS

Hes'-pur-is

Fr. *Julienne des Jardins* Ger. *Nachtviole*

3151 **Matronalis (Sweet Rocket or Dame's Violet).** An old favorite perennial plant used for borders, rockeries, etc. Flowers are purple, sweet scented. 18 inches. Packet 10c.

# GERMAIN'S IMPROVED DOUBLE HOLLYHOCKS

## HOLLYHOCKS

Fr. *Rose tremiere* Ger. *Malven* Sp. *Althea Rosea*
*Passe-Rose* *Malva Real*

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers, rise to a height of 6 or 7 feet and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom throughout the following season.

3164 **Germain's Double Crimson.** Rich deep red.
3166 **Germain's Double Pink.** Bright rose pink.
3167 **Germain's Double Maroon.** Velvety dark maroon.
3171 **Germain's Double White.** Pure white.
3173 **Germain's Double Yellow.** Clear satiny yellow.
3175 **Germain's Double Mixed.** All colors.

Price: Any of the above varieties 10c per pkt.

3178 **Allegheny Mixed.** Semi-double flowers, beautifully fringed. ¼ oz. 50c, packet 10c.

3180 **Finest Single Mixed.** Large single flowers in many shades, vigorous, tall habit. ½ oz. 40c, packet 10c.

3182 **New Triumph Mixed.** A remarkable new early flowering Hollyhock growing 4-5 feet high. Pretty waved and fringed flowers in a wide array of colors. Packet 15c.

## GYPSOPHILA

Jip-sof'-il-a
**(Baby's Breath)**

Fr. *Gypsophile* Ger. *Schleierkraut* Sp. *Gypsofila*
*Gipskraut* *Ilan-Ilan*

The Gypsophilas in both the annual and perennial varieties are very popular for mixing with other flowers. The light feathery sprays of tiny white flowers are exceedingly graceful. The annual strain may be started at intervals throughout the year and should be sown where the plants are to bloom. The perennials require somewhat longer to come into bloom, but once established they furnish quantities of flowers each season.

### Annual Sorts

3041 **Elegans Carmine.** A recent introduction of a deep carmine. Pkt. 10c; oz. 35c.
3043 **Elegans Rosea.** Small light pink flowers. Oz. 45c, packet 10c.
3044 **Elegans White.** Small white, tinged lavender. Oz. 30c, packet 10c.
3045 **Grandiflora Alba.** Greatly improved, large flowers and pure white. Oz. 35c, per packet 10c.
3042 **Grandiflora Crimson.** As its name would indicate, a crimson variety of the preceding. Packet 10c.

### Perennial Varieties

3046 **Paniculata.** Large panicles of tiny white flowers. ¼ oz. 30c, packet 10c.
3047 **Paniculata Double.** New double flowering variety. Packet 25c.

## HELENIUM

Hee-lee'-ni-um
**(Sneeze Wort)**

Fr. *Helenie* Ger. *Sonnenbraut*

Strong growing hardy perennial 3 to 5 feet tall; succeeding anywhere and giving an enormous crop of flowers in the fall.
3116 **Autumnale.** Bright golden yellow flowers. Packet 15c.

## HELIANTHUS

Hee-li-an'-thus
**(Sunflower)**

Fr. *Soleil* Ger. *Sonnenblumen* Sp. *Girasol*
*Tournesol*

Tall, rapidly growing plants mostly annuals 6 to 7 feet in height and producing an abundance of large showy flowers. They are effective for screens, backgrounds, amongshrubbery and are useful for cutting. Sow in spring in their permanent location.
3119 **Double Chrysanthemum Flowered.** Large perfectly double flowers of a rich golden yellow. ½ oz. 45c.
3122 **Double Flowered Dwarf (Globe of Gold).** A very double sort of dwarf habit. ½ oz. 40c.
3123 **Cucumerifolius (Miniature Sunflower).** Single rich yellow flowers in great abundance. ¼ oz. 30c.
3124 **Stella.** A variety of the above, flowers golden yellow with black disc. ½ oz. 45c.
3126 **Red Hybrid.** The nearest approach to a red sunflower. ½ oz. 40c.
3127 **Augustiflorus (Autumn Glory).** A perennial sort producing great masses of bloom in late autumn.

Price: Any of the above varieties 10c per pkt.

## HEUCHERA

Heu'-ker-a (heuchera)
**(Coral Bells)**

Fr. *Heuchere* Ger. *Alaunwurzel*

3155 **Sanguinea.** Delightful low border perennial about 1 ft. high producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall or in spring and transplant. Packet 25c.
3156 **Sanguinea Finest Mixed.** Similar to the above, but in varied shades of red, pink and white. **Packet 15c.**

## HIBISCUS

Hy-bis'-kus
**(Marshmallow)**

Fr. *Ketmie* Sp. *Malva*

3160 **Mallow Marvels.** Robust perennials, 5 to 6 feet high, bearing profusely large flowers in shades of red, rose and white. They bloom from July until October and adapt themselves to any soil or situation. Per packet 15c.
3162 **Sunset or Golden Bowl.** Deep cream with velvety maroon center. Pkt. 15c.

## HONEYSUCKLE, FRENCH

**(Hedysarum)**

Fr. *Sainfoin* Sp. *Madreselva*

3115 **Coronarium.** Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly valuable for seaside planting. Colors red and white mixed. ½ oz, 50c, packet 10c.

## HONESTY

Leu-nair'-i-a
**(Lunaria)**

Fr. *Lunaire* Ger. *Judasschilling*
*Monnaie du pape* *Silberblatt*

3185 **Biennis.** A biennial plant of the easiest culture, usually re-seeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. ¼ oz. 30c, per packet 10c.

## HUMULUS

3187 **Japonicus (Japanese Hop Vine).** Handsome green foliage. Height 20 feet, annual. ½ oz. 40c, packet 10c.
3188 **Japonicus Variegata.** Prettily variegated form of the preceding variety. ½ oz. 30c, packet 10c.

## HUNNEMANNIA

Hun-ne-man'-ni-a
**(Mexican or Giant Yellow Tulip Poppy)**

Fr. *Hunnemannia*

3190 **Fumariaefolia.** A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water. ½ oz. 45c, packet 10c.

Gypsophila Paris Market

## IMPATIENS

Im-pay′-shi-ens

Fr. *Impatiens* Ger. *Jelangerjelieber*

3196 **Sultani (Sultan's Balsam).** Charming free flowering perennials for bedding in semi-shade or for pot culture. The wavy, bright rosy scarlet flowers are produced continuously. Sow in pans or boxes and transplant. Packet 20c.

3195 **Holstii Hybrids.** Colors vary from pink to lilac and ruby to scarlet. Pkt. 20c.

## IPOMOEA

3198 **Bona Nox (Annual Blue Moonflower).** Large deep blue flowers freely produced all summer. ½ oz. 45c, packet 10c.

3200 **Leari (Blue Dawn Flower).** Perennial vine, a perpetual bloomer with large handsome rich dark flowers. Packet 25c.

3203 **Mexicana Grandiflora Alba (White Moonflower).** Immense pure white. ¼ oz. 60c, packet 10c.

3199 **Rubro Coerulea (Heavenly Blue).** One of the most beautiful with extra large flowers of a pleasing sky blue shade. ¼ oz. 50c, packet 15c.

3202 **Setosa (Brazilian Morning Glory).** A rapid growing vine of unique subtropical appearance. Large lobed leaves and beautiful rose colored flowers with pink center. Packet 15c.

## JACOBOEA

Fr. *Senecon des Indes* Ger. *Kreuzkraut*

3226 **Double Choicest Mixed.** Very interesting annual 1½ ft. high, closely resembling the pompon chrysanthemum in form and also in range of colors which includes rose, copper, magenta red, etc. Flowers freely through the summer from seeds sown in spring. Packet 25c.

## KALANCHOE

3228 **Globulifera Coccinea.** New succulent 12 inches high. Greenhouse pot plant but may be grown outdoors in a mild winter climate. Flowers freely in a few months from sowing seed. Color bright scarlet. Pkt. 50c.

## KOCHIA

Kok′-i-a

**(Summer Cypress or Belvedere)**

Fr. *Cypres-d' ete* Ger. *Sommerzypresse*

Sp. *Planta Mexicana de la Hoguera*

3229 **Childsi.** Attractive annual for borders, etc., resembling a young cypress in general appearance. In the fall the cold nights color the foliage to a deep crimson. Oz. 30c, packet 10c.

## KUDZU VINE

3231 **Kudzu Vine (Pueraria Thunbergiana).** Perennial, one of the most rapid growing vines known. The leaves are very large, making it a suitable plant covering for arbors, trellises, etc. ¼ oz. 25c, packet 10c.

# GERMAIN'S GIANT LARKSPURS

Fr. *Pied d'Alouette* Ger. *Rittersporn*

Sp. *Espuela del Caballero*

Old time favorites as they are, there are few annuals in our gardens today to equal the Larkspurs' usefulness and charm. The double stock-flowered strain here offered is a note-worthy improvement on the older forms. The plants are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of bloom from early summer until fall. Invaluable for summer bedding and border planting, they are also one of the most dependable sources of cut flowers over a period of months. Sow in the open in early spring or fall.

### GIANT BRANCHING VARIETIES

3254 **Carmine King.** A splendid new larkspur, color a striking rich carmine, excellent habit. ⅛ oz. 50c, packet 15c.

3255 **Miss California.** A beautiful and attractive, rich, deep pink on salmon ground. ⅛ oz. 50c, packet 15c.

3252 **Blue Spire.** Intense deep oxford blue with the upright base branching habit. ⅛ oz. 50c, packet 15c.

3253 **Lilac Spire.** The beautiful lilac so attractive in larkspurs, with the base branching habit and giant size of the Imperial group. ⅛ oz. 50c, packet 15c.

3251 **White Spire.** Somewhat of a sensation in white larkspurs. It has the new upright delphinium-like habit, is very double and a dazzling pure white in color. ⅛ oz. 50c, packet 15c.

3232 **Blue Bell.** (New.) A delightful clear light blue. Upright type with long base branching spikes. Pkt. 25c.

3247 **The Empress.** One of the tallest we have seen. Heavily branched, fine rose color and an excellent keeper. ¼ oz. 50c, per packet 15c.

3241 **Exquisite Rose.** Has the same vigorous upright habit as the above. It is a rich, bright rose, flushed salmon; one of the best for all purposes. ¼ oz. 50c, packet 15c.

3240 **La France.** An outstanding new florists' larkspur which has met with great success. It is a fine and pleasing shade of salmon pink. ¼ oz. 50c, packet 15c.

3236 **Los Angeles.** Similar in growth and habit to the foregoing but several shades darker in color, being a rich, warm, salmon rose. ¼ oz. 50c, packet 15c.

3233 **Gt. Imp. Mixed.** A mixture of the newest larkspurs, including the new salmon shades. Pkt. 15c; ¼ oz. 35c.

### TALL DOUBLE STOCK-FLOWERED

3238 **Dark Blue.**
3243 **Lilac.**
3244 **Lustrous Carmine.**
3248 **Bright Violet.**
3246 **Bright Rose.**
3245 **Rosy Scarlet.**
3249 **White.**
3250 **Tall Double Mixed.**

**Collection: One packet each of seven colors, 50c**

Price 25c per ¼ oz., 10c per pkt.

## LATHYRUS

**Free flowering, perennial climbers, excellent for covering fences, trellises, etc.**

3256 **Latifolius Rose.** Packet 10c.
3258 **Latifolius White.** Packet 10c.
3260 **Latifolius Mixed.** ½ oz. 60c, packet 10c.

## LAVANDULA

Lah-van′-deu-la

**(Lavender)**

Fr. *Lavande* Ger. *Lavendel* Sp. *Espliego*

3268 **Vera.** The true sweet lavender, a well known perennial and fine for the mixed border. ¼ oz. 30c, packet 10c.

## LAVATERA

Lah-va-tee′-ra

**(Annual Mallow)**

Fr. *Lavatere* Ger. *Bechermalva*

3266 **Trimestris Mixed.** Very beautiful annuals 3 to 4 feet high, with large satiny flowers in shades of carmine, rose and white. ½ oz. 35c, packet 10c.

3262 **Assurgentiflora.** This perennial is easily grown from seed, is very drought resistant and makes one of the quickest and best windbreaks known in California. The flowers being an attractive shade of rose. Sow in flats and set out plants 3 feet apart. Packet 10c.

## LANTANA

Lan-ta′-na

Fr. *Lantana* Ger. *Wandelroschen*

3235 **Dwarf Mixed.** Bushy plants about 1 ft. high bearing constantly showy heads of Verbena-like flowers. They are perennial: a permanent bedding material of the first order. Packet 25c.

3234 **Tall Sorts Mixed.** Shrubbery perennials growing 3 to 4 feet high and producing their showy orange, red or yellow flowers continuously throughout the year. Oz. 60c, packet 10c.

## LEPTOSIPHON

3275 **Hybrids Mixed.** Profuse blooming annual. 8 inches high, useful for rock gardens and for edgings. Mixed colors. Pkt. 15c.

## LINARIA

Ly-nair′-i-a

Fr. *Linaire* Ger. *Zimbelblume*

3290 **Maroccana Excelsior Choice Mixed.** Pretty annuals 12 to 15 inches high, valuable for massing or low borders. Packet 10c.
3284 **Cymbalaria (Kenilworth Ivy).** Delightful perennial trailing plant for rock work, baskets, window boxes, etc. Flowers lavender and purple. Packet 10c.

**Larkspur**

## LINUM

Ly′-num

**(Scarlet Flax)**

Fr. *Lin* Sp. *Lino de Flor Carnesi*

Ger. *Roter Prachtlein*

3292 **Grandiflorum Rubrum.** A brilliant and attractive annual of long duration. Sown in permanent location in fall for early spring bloom or sow in spring for summer blooming. Flowers bright scarlet, abundantly produced. Oz. 40c, packet 10c.
3291 **Perenne (Perennial Flax).** Bright blue. Packet 10c.
3293 **Flavum.** Produces masses of golden yellow flowers throughout the summer. Perennial. 1-2 feet. Pkt. 10c.

## LOBELIA

Loh-bee′-li-a

Fr. *Lobelia* Ger. *Lobelien* Sp. *Lobelia*

The annual varieties of Lobelia we offer are dwarf compact plants 4 to 6 inches high or trailing sorts used for baskets, urns, etc. They are remarkably free flowering, blooming continuously from June to November. Lobelia Cardinals is a very desirable perennial plant.

3296 **Crystal Palace Compacta.** Rich deep blue of erect, bushy growth. Leaves deep bronzy green. Ideal for edging, bedding and ribbon borders. Packet 10c.
3297 **Emperor.** Clear light violet or sky blue. Packet 10c.
3301 **White Gem.** Compact bushes covered with snow white blossoms. Packet 10c.
3303 **Pendula Hamburgia.** Clear blue with distinct white eye, trailing habit, very popular for hanging baskets. Packet 10c.
3308 **Cardinalis (Cardinal Flower).** Showy perennial with spikes of brilliant scarlet flowers, height 3 feet. Packet 25c.

# BRILLIANT MARIGOLDS

Tah-gee′-teez
**(Tagetes)**

The African and French Marigolds enjoy a well deserved popularity. They form excellent material for summer bedding and mixed borders and offer an endless supply of splendid cut flowers. The diversity of orange and yellow shades in which they abound permits of most effective contrasts in decoration if combined with blues and purples of Larkspur, Cornflower, etc. Sow in early spring in a sunny exposure. While they thrive most anywhere they appear most successful in light soils.

## CHOICE FRENCH MARIGOLDS

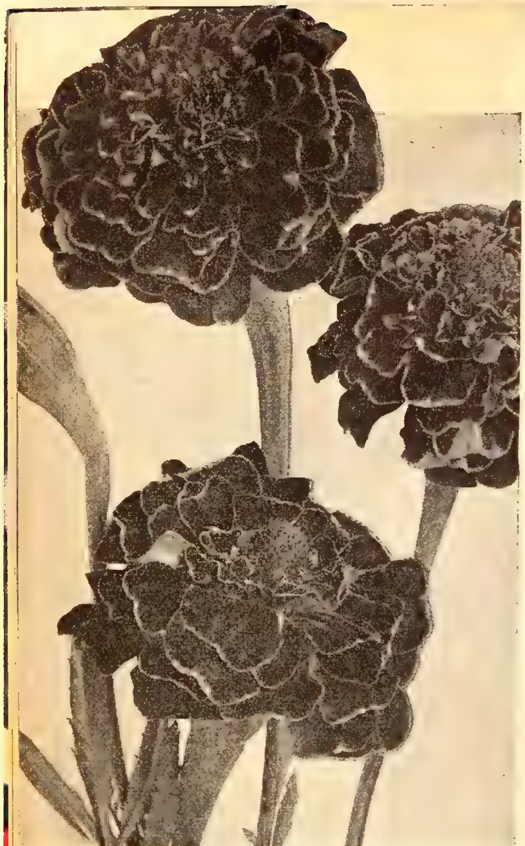
Fr. *Oeillet d'Inde* Sp. *Clavel de la India*
Ger. *Goldsamt*

3341 **Legion of Honor (Little Brownie).** Very popular single variety of compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall. ¼ oz. 25c, packet 10c.
3333 **Scotch Gold Striped.** Double, deep velvety flowers striped gold.
3331 **Dwarf, Double Electric Light.** Double form of Legion of Honor. Packet 10c.
3351 **Dwarf, Double Golden Ball.** Golden yellow. Packet 10c.
3342 **Double Dark Brown.** Very double flowers of rich orange brown. ¼ oz. 25c, per packet 10c.
3343 **Double Orange.** Bright orange, flowers good size and perfectly double. ¼ oz. 25c, packet 10c.
3345 **French Dwarf Double Mixed.** A choice mixture of many double sorts. ½ oz. 30c, packet 10c.
3350 **Tall Double Mixed.** ½ oz. 30c, per packet 10c.

## AFRICAN MARIGOLDS

Fr. *Rose d'Inde* Ger. *Samtblume* Sp. *Clavelon*
*Goldsamt*

3344 **Guinea Gold.** Very bright, medium sized double. For complete description see Novelties. ¼ oz. 60c, packet 20c.
3337 **All Double Lemon.** See Novelty Section, pages 10-17.
3338 **All Double Orange.** See Novelty Section, pages 10-17.
3335 **Orange Prince.** Large, perfectly double quilled flowers of a rich deep golden orange. The largest and most showy of them all. ¼ oz. 50c, packet 15c.
3334 **Lemon Queen.** Almost an exact counterpart of Orange Prince, except in color which is a most pleasing even lemon yellow. ¼ oz. 50c, packet 15c.
3340 **Choicest Double African Mixed.** Contains many shades of orange and yellow 2 to 3 ft. ½ oz. 40c, packet 10c.
3347 **Australian Giant or Grendon Tree Marigold.** Flowers not unlike the French, but bushes reach a height of several feet. ¼ oz. 40c, packet 15c.



French Marigold

## LUPINUS

Leu-py′-nus
**(Lupine)**

Fr. *Lupin* Ger. *Wolfsbohnen*

The annual Lupines are easily grown, free flowering plants 2 to 3 feet high, useful for beds, borders and for cutting. While they seem to prefer a little shade, they are very easy to grow in any ordinary soil or situation. Sow in spring or fall preferably where they are to bloom.
3318 **Mixed—Hartwegii Giants.** See Novelty Section, pages 10 to 17.
3313 **Dark Blue.**
3314 **Light Blue.**
3321 **Nanus Dwarf Blue.** 1 to 1½ ft. high.
3316 **Rose.**
3312 **White.**
3320 **Choice Annual Mixed.** 35c per oz.
3322 **Polyphyllus Mixed.** Effective perennials 3 ft. in height in all shades of blue, rose and white. Packet 15c.
Price: Any of the above 10c per pkt.

## LYCHNIS

Lik′-nis (lychnis)
**(Jerusalem Cross)**

Fr. *Croix de Jerusalem* Ger. *Brennende Liebe*

3327 **Chalcedonica.** Very brilliant hardy perennial 2 to 3 feet high, flowers vivid scarlet. Packet 10c.
3328 **Haageana Hybrids.** Superb shades of orange, crimson, etc., height 1½ ft. Per packet 10c.

## MANDEVILLEA

3332 **Suaveolens.** A very handsome climber with pure white, very fragrant flowers. The plant is perennial. Packet 25c.

## MARVEL OF PERU

Mirabilis (My-rab′-il-is)
**(Four O'Clock)**

Fr. *Belle-de-nuit* Ger. *Wunderblumen*
Sp. *Bella de la Noche*
*Don Diego de Noche*

3352 A handsome and well known garden favorite. Extremely free flowering and succeeding everywhere. Perennial 2 ft. Finest mixed colors. Oz. 30c, packet 10c.

## MATHIOLA

Mat-thy′-o-la
**(Night Scented Stock)**
Fr. *Matthiola*

3354 **Bicornis.** A delightful free flowering annual ½ ft. in height. Flowers are purple, not very showy, but are noted for their entrancing fragrance emitted during the evening. Packet 10c.

## MATRICARIA

**(Feverfew)**

Fr. *Matricaire* Ger. *Elfenbeinknopfchen*

3356 **Eximia Double White.** Free blooming perennial 1½ ft. high, desirable for bedding, pots, etc. ½ oz. 30c, packet 10c.
3357 **Golden Ball.** Very handsome double button shaped blossoms of deep chrome yellow. 1 foot. The feverfews are very pleasing cut flowers of exceptional keeping quality. Packet 10c.

## MESEMBRYANTHEMUM

Mes-em-bri-an′-the-mum
**(Figmarigold)**

Fr. *Ficoide glaciale* Ger. *Miltagsblume*

3366 **Criniflorum (Livingstone Daisy).** New. Low slightly spreading annual. Abundant flowers of varied colors. 1/16 oz. $1.50, per packet 35c.
3368 **Crystallinum (Ice Plant).** ¼ oz. 25c, packet 10c.
3369 **Tricolor.** Mixed. ¼ oz. 50c, packet 10c.

## MIGNONETTE

**(Reseda)**

Fr. *Reseda* Ger. *Reseda* Sp. *Minoneta*

Mignonette should be sown at intervals throughout the year. It thrives in ordinary garden soil and may be potted for winter use in colder sections. Through its exquisite fragrance this well known favorite has maintained a universal popularity and no garden seems complete without it.
3376 **Germain's Triumph.** A superb variety with individual florets of remarkable size borne on spikes 12 to 15 inches long and very sweetly scented. ¼ oz. 50c, packet 15c.
3375 **Machet Improved.** Compact growth, numerous light colored spikes and fragrant. ¼ oz. 40c, packet 10c.
3371 **Red Goliath.** Very large spikes of a pronounced red shade. ¼ oz. 50c, packet 10c.
3372 **White Goliath.** Great spikes with large florets giving a decided white appearance to the massive flowers. ¼ oz. 50c, packet 15c.
3380 **Sweet Mignonette (Reseda Odorata).** The old-fashioned favorite, very sweetly scented. Oz. 30c, packet 10c.
Collection of one packet each of the five sorts for 60c.

## MIMOSA

Mi-moh′-za
**(Sensitive Plant)**

Fr. *Sensitive* Ger. *Schamhafte Sinnpflanze*

3382 **Pudica.** Very curious and interesting plant with "sensitive" foliage which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft. Packet 10c.

## MOMORDICA

The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.
3388 **Balsamina.** "Balsam Apple." Height 6 ft. Packet 10c.
3389 **Charantia.** "Balsam Pear." Height 5 ft. Packet 10c.

## MIMULUS

Mim′-eu-lus
**(Monkey Flower)**

Fr. *Mimulus* Ger. *Wassergaukler*

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height 1½ feet.
3383 **Cardinalis (Scarlet Monkey Flower).** Rich dark red. 2 pkts. for 25c, packet 15c.
3385 **Tigrinus Grandiflorus.** Superb spotted and tigered strain, large flowered. Mixed. 2 pkts. for 25c, packet 15c.
3384 **Moschatus (Musk Plant).** Small yellow flowers, attractive for pots or baskets. Foliage musk scented. 2 packets for 25c, packet 15c.

## MINA

3387 **Lobata.** Beautiful annual climber. It produces freely long spikes of handsome bright red and yellow flowers. Packet 10c.

## MORNING GLORIES

**(Convolvulus Major)**

The tall Morning Glories are perhaps the most free flowering and rapid growing climbers in cultivation.
2739 Bright blue. Packet 10c.
2741 Rich crimson. Packet 10c.
2742 Deep rose pink. Packet 10c.
2745 Choicest mixed. Oz. 25c, packet 10c.
3210 **Imperialis Choicest Mixed (Imperial Japanese Morning Glory).** Undoubtedly the handsomest of all morning glories. Oz. 25c, packet 10c.

Morning Glory

# GERMAIN'S NASTURTIUMS

Nas-tur'-shi-um

Fr. *Capucine* Ger. *Kapuzinerkresse* Sp. *Capuchina Mastuerzo*

For color, length of bloom, ease of culture and general usefulness in the flower garden the Nasturtium has no equal. Where winters are mild as in Southern California Nasturtiums may be sown practically any time and within a few weeks the brilliantly colored flowers begin to appear, continuing in bloom the entire season. They are usually sown where they are to bloom and the seed is covered about 1 inch with soil.

## DWARF SORTS OR TOM THUMB NASTURTIUMS

3432 **Bronze.** Deep bronze yellow.
3436 **Empress of India.** Crimson with dark foliage.
3437 **Golden King.** Rich golden yellow.
3438 **King of Tom Thumbs.** Deep rich scarlet with dark foliage.
3439 **King Theodore.** Dark maroon red, dark-leaved.
3441 **Lady-Bird.** Golden yellow marked and spotted with crimson.
3442 **Pearl.** Cream white.
3443 **Prince Henry.** Cream marked and blotched red.
3445 **Rose.** A beautiful soft rose.
3448 **Salmon Queen or Vesuvius.** Deep salmon.
Price: Any of the above 25c per oz., 10c per packet.
Collection of one packet each of the ten sorts for 75c.
3450 **Large Flowering Dwarf Mixed.** All shades. Oz. 15c, packet 10c.

## DOUBLE GIANT

**Golden Gleam, Scarlet Gleam and Gleam Hybrids**—See Novelty Section, Pages 10-17.

## GIANTS OF CALIFORNIA NASTURTIUMS

Properly supported, Nasturtiums of the giant strain quickly grow to the height of eight feet or more. They make good screens, cover lattices and fences and may be used as creepers on banks, rockwork or any unsightly bare space in the landscape.
3405 **Butterfly.** Bright yellow spotted with delicate salmon.
3406 **Chameleon.** Produces flowers of several different shades on the same plant.
3407 **Dark Crimson.** Rich red.
3408 **Edward Otto.** A unique shade of brownish lilac.
3411 **King Theodore.** Maroon red with dark purple green foliage.
3412 **Dunnett's Orange.** Bright orange yellow.
3413 **Pearl or Moonlight.** Creamy white.
3417 **Schultzii.** Large bright scarlet.
3418 **Vesuvius.** A very pleasing shade of salmon rose.
3419 **Yellow.** Rich canary yellow.
Price: All the above varieties 20c per oz., 10c per packet.
Collection of one packet each of the ten sorts for 75c.
3420 **Tall Giants of California Mixed.** A wonderful mixture of giant sorts. Oz. 15c, packet 10c.
3422 **Ivy Leaved Mixed.** Leaves prettily veined. Plants trailing. Oz. 20c, packet 10c.

Nemesia

## MYOSOTIS

My-oh-soh'-tis

**(Forget-me-not)**

Fr. *Myosotis* Sp. *Miosotis* Ger. *Vergissmeinnicht No Me Olvides*

Handsome spring flowering perennial flowers well known and admired by everyone. They succeed best in a moist shady location. Sow in fall in seed boxes and transplant.
3393 **Alpestris Blue.** Rich blue, floriferous and effective; 9 inches. ¼ oz. 45c, packet 10c.
3401 **Oblongata Blue Bird.** Dark blue. Per packet 20c.
3396 **Victoria.** Very bushy and compact with large heads of clean, azure blue flowers. Packet 15c.
3400 **Alpestris Mixed.** Many shades of blue, rose and white. ¼ oz. 45c, packet 10c.
3403 **Palustris Semperflorens (Marsh Forget-me-not).** An ever blooming strain producing numerous sprays of clear blue flowers practically all summer. 2 packets for 25c, per packet 15c.
3402 **Dissitiflora.** Large flowered dwarf variety, bright blue. 2 packets for 25c, per packet 15c.
3401 **Oblongata Blue Bird.** Winter flowering, deep blue. May be grown in sun. Pkt. 20c.

### AFRICAN AND FRENCH MARIGOLD COLLECTION

A collection composed of Giant African and Dwarf French Marigolds in a perfect blend of Orange and Gold shades.

| | |
|---|---|
| Lemon Queen | Dark Brown |
| Orange Prince | Legion of Honor |
| African Mixed | French Mixed |

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, postpaid.

### THE BOOK OF BULBS

**By F. F. Rockwell**

With this complete and practical book you can get the utmost in beauty from every kind of bulbous plant. Clearly written by one who knows; illustrated with 187 beautiful photographs and instructive drawings. Includes tulips, daffodils, hyacinths, lilies, crocuses, glads, dahlias, peonies, irises, begonias, and scores of other beautiful but not-so-well-known bulbs. We recommend it as the best and most complete bulb book.

**Price $2.00**

## NEMESIA

Ne-mee'-si-a

Fr. *Nemesia* Ger. *Elfenspiegel*

A very useful annual. Sometimes called the Baby Snapdragon. Colors include rose, yellow, blue, orange, etc.
3462 **Grandiflora Suttoni.** Blue. New, large flowered, blue. 1/16 oz. $1.50, packet 50c.
3461 **Grandiflora Suttoni.** Cherry red. 1/16 oz. 75c, packet 35c.
3457 **Grandiflora Suttoni.** Orange. 1/16 oz. 75c, packet 35c.
3458 **Grandiflora Suttoni.** Rose. 1/16 oz. 75c, packet 35c.
3459 **Grandiflora Suttoni.** Scarlet. 1/16 oz. 75c, packet 35c.
3460 **Grandiflora Suttoni Mixed.** A very pretty and effective annual 1 ft. high, used for beds and low borders and edging. The flowers are not unlike a miniature Snapdragon and appear in shades of rose, yellow, orange, blue, etc. ⅛ oz. 75c, packet 25c.

### NEPETA

3466 **Mussini.** Hardy perennial. One of the best rock garden plants. The flowers are lilac blue, 12 in. high. Pkt. 20c.

## NICOTIANA

Ni-koh-shi-ay'-na

Fr. *Tabac* Ger. *Ziertabak* Sp. *Tabaco*

3467 **Affinis (Tuberose-flowered Tobacco).** Free flowering annuals with deliciously scented tubular white flowers, growing 2 to 3 ft. in height. ½ oz. 30c, packet 10c.
3470 **Sanderae Hybrids.** Large flowering hybrids. Very showy, in a great variety of colors. ¼ oz. 30c, packet 10c.

## NIEREMBERGIA

Nee-rem-ber'-gi-a

Fr. *Nierembergia*

3471 **Calycina (Gracilis).** Graceful perennials 1 to 1½ ft. used for hanging baskets, rock work or bedding. Flowers lavender. Per packet 15c.

## NIGELLA

Ny-gel'-la

**(Love-in-a-Mist)**

Fr. *Nigelle* Ger. *Jungfrau in Grunen* *Cheveux de Venus* Sp. *Agenuz*

3475 **Damascena Double Mixed.** Compact free-flowering annuals with finely cut foliage and curiously formed flowers and seed pods. Easily grown anywhere from seed sown in the open in the spring. ¼ oz. 25c, packet 10c.
3473 **Miss Jekyll.** A distinct and lovely sort with rich cornflower blue flowers, good for cutting. 18 inches. ¼ oz. 25c, packet 10c.

### PELARGONIUM

**Lady Washington Geranium**

2985 **Grandiflorum.** Mixed. A beautiful perennial bedding and border plant. Shades of rose and red with darker blotches in the center. Pkt. 25c.

## PASSIFLORA

A splendid perennial climber, making a permanent and more or less woody vine. The flowers are very beautiful and of great interest due to their peculiar formation.
3563 **Coerulea.** Sky blue.
3566 **Rosacea.** Carmine.
3564 **Edulis.** Lavender.
3568 **Choicest Mixed.**
Price: Any of the above sorts ¼ oz. $1.00, per packet 25c.

## PENTSTEMON

Pent-stee'-mon

Fr. *Pentstemon* Ger. *Bartfaden* Sp. *Penstemo*

Lovely perennials for beds, borders, etc., growing 2 or 3 feet high. Continuously in bloom, the bushy plants being a mass of flower spikes closely set with Gloxinia-like flowers in all shades of red, rose, salmon, lavender and purple. Sow the seed in fall or in the early spring in seed pans or boxes and transplant when large enough to handle.
3569 **Hartwegi Grandiflora Mixed.** Superb large flowers beautifully marked and spotted. 1/16 oz. 50c, packet 25c.
3570 **Finest Mixed.** Choice mixture of many shades; tall and large flowered. 1/16 oz. 30c, packet 10c.

## PHASEOLUS

3619 **Caracalla.** A very curious vine growing about 8 feet high; flowers, lilac-purple. Per packet 15c.

## PHYSALIS

Fy'-sa-lis (Physalis)

**(Chinese Lantern)**

Fr. *Physalis* Ger. *Laternenpflanze*

3644 **Franchetti.** Attractive and interesting perennial, flowering the first season from seed. Especially popular for its lantern-like fruits which can be cut and dried for winter use. ⅛ oz. 30c, packet 10c.

## PLATYCODON

Plat-i-koh'-don

**(Chinese Bellflower)**

3608 **Grandiflora Mixed.** Very desirable perennials for the hardy border. Flowers in shades of blue and white. Seed sown in April usually produces blooming plants in August. ⅛ oz. 40c, packet 20c.

## PHYSOSTEGIA

**(False Dragon Head)**

3643 **Speciosa.** Very pretty hardy perennial growing 4-5 feet high. Flowers are of varying shades of pink. Splendid for borders. Pkt. 25c.

# Germain's Exhibition Pansies

We have tested carefully each variety of Pansies offered on this page. At our nurseries many thousands of Pansy plants are grown annually to supply our retail store and our critical wholesale trade. This affords us a splendid opportunity to compare the merits of the various strains presented. Our Swiss Giant strain is grown especially for us by a noted European specialist, while our Mastodon Pansies are obtained direct from the originator of this famous American Strain. We can confidently state that no finer selection of modern Pansies is to be found anywhere.

## GERMAIN'S SWISS GIANT PANSIES

The Swiss Giant Pansies have gained renown throughout America as well as in Europe. They are of exceptional size, borne on tall, sturdy stems and very free flowering. We take pleasure in offering three beautiful separate colors of this remarkable strain.

3530 **Swiss Giant Dark Blue.** 1-16 oz. $1.75; packet 35c.

3533 **Swiss Giant Golden Yellow.** 1-16 oz. $1.75; packet 35c.

3534 **Swiss Giant Red.** 1-16 oz. $1.75; packet 35c.

3537 **Swiss Giants Mixed.** The largest and most remarkable of all European strains. The flowers as well as the plants develop to immense size. Colors rich in red and art shades, many beautifully marked. 1-16 oz. $1.10; per packet 25c.

**Collection: One packet each of the 3 colors and 1 packet of Swiss Giant Mixed for $1.00.**

## GERMAIN'S GIANT MASTODON PANSIES

### Originator's Strain

The Mastodon Strain is the outstanding American Pansy. Millions of plants are grown from this seed in America every year. Our seed is grown for us by the originator of Mastodon Pansies.

3495 **Golden Gate.** A monster golden yellow. Dark center. 1/16 oz. $1.50; packet 25c.
3498 **Isabelle.** Ruffled bronze and yellow. 1/16 oz. $1.50; packet 25c.
3508 **Vulcano.** Burgundy red, long stems. 1/16 oz. $1 50; packet 25c.
3505 **Sea Blue.** The most beautiful shade of blue we have so far seen in pansies. 1/16 oz. $1.50; packet 25c.
3500 **Madame Steele.** Elk's purple, immense blooms. 1/16 oz. $1.50; packet 25c.
3513 **White Mastodon.** Very large, pure white. 1/16 oz. $1.50; packet 25c.
3543 **Mastodon Miracle Mixed.** "Just a little bit better." 1/16 oz. $1.50; packet 25c.
3547 **Mastodon Jumbo Mixed.** The latest creation. 1/16 oz. $1.75; packet 35c.
Collection offer: One packet each of the 8 Mastodon Pansies (6 colors and 2 mixtures, a $2.10 value) for $1.60.

**GERMAIN'S FRAGRANT PANSIES**
**and**
**ENGLISH OR COVENT GARDEN PANSIES**
See Novelty Section, pages 10 to 17

## GERMAIN'S FRENCH BEDDING OR GIANT TRIMARDEAU PANSIES

A sturdy race, large flowered and extremely free blooming. They are especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is desired.

3485 **Giant Adonis.** Light blue.
3493 **Giant Golden Queen.** Pure golden yellow.
3489 **Giant Emperor.** Rich cornflower blue.
3497 **Giant Lord Beaconsfield.** Upper petals light lavender shading to deep purple at the lower part of the flower.
3499 **Giant Madame Perret.** Exquisite wine shades on white ground.
3509 **Giant Snow Queen.** Glistening pure white.
3491 **Giant Royal Purple.** Velvety deep purple.
3511 **Giant White.** (Dark center.) Very large.
3512 **Giant Yellow.** (Dark center.) Very good yellow.
3496 **Giant King of the Blacks.** Velvety black.
Price: Any of the above ¼ oz. 50c; per packet 10c.
Collection: 10 varieties of Giant French Pansies for 75c.
3550 **Germain's Giant Trimardeau Mixed.** ⅛ oz. 50c; packet 10c.
3542 **English Mixed.** A choice strain of the old English "faced" pansy in mixture. ⅛ oz. 50c; packet 10c.
3540 **Good Mixed.** A general mixture of choice Pansies in a wide range of color. ¼ oz. 50c; packet 10c.

## SPECIAL MIXTURES

## DWARF SWISS GIANTS MIXED

All the fine qualities of size, variety of color, strong stem and good foliage, possessed by the regular Swiss Giants, will be found also in this strain. It is, however, considerably dwarfer and more compact in growth. Per packet 50c; 1/16 oz. $2.00.

### MASTODON

3541 **Mastodon Greenhouse Mixed** (O. K. outside). One of the original Mastodon strains which has made many friends. It is large, floriferous, long-stemmed and offers a splendid range of color. 1/16 oz. 75c; per packet 15c.

### MASTERPIECE

3546 **Germain's Masterpiece.** (Frilled or Ruffled Pansies Mixed ) A beautiful and unique type. Large and waved flowers in all the richest colors. 25c per packet; ⅛ oz. $1.00.

## GERMAIN'S SUPER GIANT PANSIES

This is without doubt the largest Pansy so far introduced. Plant, flower, foliage and stem are all unusually large and of exceptionally strong growth. While it does not at present include the variety of shades found in the Swiss and Mastodon it cannot fail to attract attention due to its size, substance and good clear colors. Per packet 50c; 1/16 oz. $2.00.

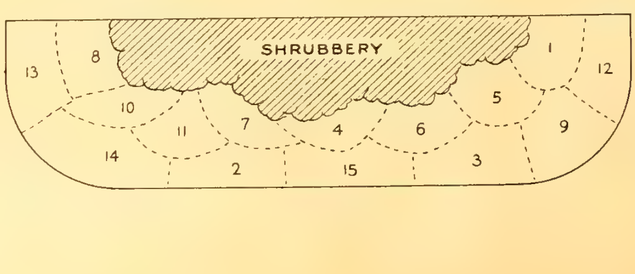
---

## PERENNIAL BORDER COLLECTION

A colorful perennial border is a most interesting feature in any garden. This group contains a number of the most dependable varieties and is offered at an exceptional reduction in price.

1. Aquilegia Long spurred Mixed
2. Arabis Alpina
3. Agathea Coelestis
4. Campanula Calycanthema Mixed
5. Digitalis Gloxinaeflora Mixed
6. Co eopsis Lanceolata Grandiflora
7. Delphinium Improved English Mixed
8. Gaillardia Grandiflora Superba Mixed
9. Hunnemannia Fumariaefolia
10. Pentstemon Finest Mixed
11. Papaver (Iceland Poppy)
12. Shasta Daisy
13. Verbena Mammoth Mixed
14. Sweet William large flowered mixed
15. Viola Cornuta--Choice Mixed

**The entire collection of selected Perennial flower seeds complete for $1.00**




## ANNUAL BORDER COLLECTION

Annuals have the advantage of producing flowers very quickly from seed. If sown in Spring this collection begins to bloom in a few weeks and continues until late fall.

14. Ageratum—Choice Mixed
13. Alyssum—Sweet
4. Aster—Branching Mixed
2. Balsam—Camellia Flowered
3. Candytuft—All shades Mixed
6. Clarkia—Double Choice Mixed
5. Larkspur—Stock-flowered Mixed
9. Mignonette—Sweet
12. Pinks—Chinese Double Mixed
15. Phlox—Large Flowered Mixed
1. Poppies—Carnation flowered Mixed
10. Salpiglossis—Gloxinia flowered Mixed
8. Scabiosa—Choice Mixed
7. Godetia—Mammoth Mixed
11. Zinnia—Mammoth Mixed

**The Collection of Fifteen Varieties Complete for $1.00**

# GORGEOUS NEW PETUNIAS

Pe-teu'-ni-a

Fr. *Petunia* Ger. *Trichterblume* Sp. *Petunia*

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained; the coarse growing plants frequently reverting to the common types.

## GIANT FLOWERED RUFFLED AND FRINGED

3591 **Elks' Pride.** Very large frilled deep purple.
3592 **Miranda.** Beautiful ruffled large deep carmine.
3593 **Pride of Portland.** Bright rose pink, ruffled and frilled.
3585 **Portland Beauty.** Lovely deep crimson with dark throat and distinctly veined.
3597 **Scarlet Beauty.** Large fringed, showy bright scarlet.
3589 **Theodosia.** Beautiful pink petunia. Very large frilled. Throat yellow, penciled.
Price: Any of the above 50c packet. Collection: One packet each of the above colors for $2.25.
3607 **Germain's Dwarf Giants Mixed.** (See Novelty Section, Pages 10-17.
3598 **Germain's Ruffled Monsters.** Extra large, heavily ruffled and fluted flowers in the greatest variety of colors; a distinct yellow throat often marked and veined lends greater depth to this marvelous strain. Per packet 35c.

3602 **Ruffled Giants of California.** A justly celebrated strain. Enormous ruffled and frilled blossoms in a surprising range of brilliant colors. 1/64 oz. $1.50, packet 25c.

Petunia Giants of California

## PYRETHRUM

Py-ree'-thrum

Fr. *Pyrethre* Ger. *Bunte Margareten* Sp. *Piretro*

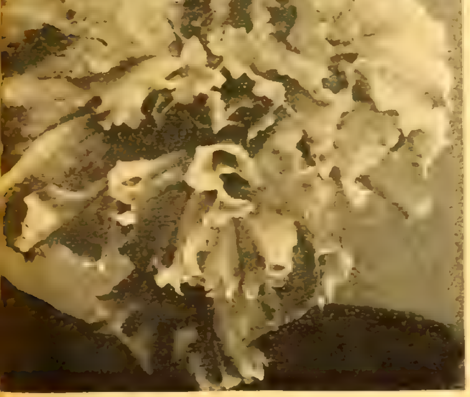
3755 **Roseum Single Mixed.** Perennial 2 feet high, with large Marguerite-like flowers and fine fern-like foliage. Graceful and long lasting cut flowers. ⅛ oz. 40c, packet 10c.
3753 **Roseum Double Mixed.** Beautiful double hybrid strain. 5 packets $1.00, packet 25c.
3752 **Parthenifolium Aureum.** The popular "Golden Feather," much used for low borders and edging; 1 foot. ½ oz. 45c, per packet 10c.

## POINCIANA

Poin-si-a'-na (Poinciana)
**(Fence Flower)**
Fr. *Poinciana*

3611 **Gilliesii.** This beautiful dwarf shrub is sometimes referred to as "Bird of Paradise"; this name is also applied (and with better authority) to Strelitzia Reginae, a plant which it in no way resembles. The Poinciana blossoms in one year from seed, the flowers are yellow with bright red protruding stamens several inches in length. ¼ oz. 45c, per packet 25c.

**Petunias give colorful and abundant bloom.**



Petunia Double Flowering

## NEW MINIATURE

3605 **Pink Gem.** See Novelty Section, Pages 10-17.

## DWARF BORDER PETUNIAS

Excellent material for edging and low ribbon borders. Compact low bushes of very free flowering habit.
3584 **Rosy Morn.** Very popular delicate rose variety.
3582 **Rose of Heaven.** Rose pink.
3587 **Silver Blue.** Pleasing light silvery blue.
3583 **Nana Violacea.** Dwarf deep violet.
3581 **Snowball.** The compact bushes are completely covered with innumerable snow white flowers.
Price: The above varieties ⅛ oz. 60c, per packet 10c.

## LARGE SINGLE BEDDING PETUNIAS

3577 **Brilliant Rose.**
3576 **Crimson Red.**
3579 **Dark Violet Blue.**
3580 **Pure White.**
3594 **Howard's Star.** Crimson with five-pointed white star.
Price of the above: ⅛ oz. 50c, packet 15c.
3599 **Germain's Select Bedding Mixed.** A remarkably fine large flowered strain in well-balanced mixture of bright and delicate shades. Recommended for beds and borders where abundant bloom and variety of color is desired. ¼ oz. 75c, packet 15c.
3600 **Good Single Mixed.** A vigorous strain, easily grown anywhere. Many bright and attractive colors. ¼ oz. 45c, packet 10c.

## SUPERB DOUBLE FLOWERING PETUNIAS

3606 **Extra Large Double Fringed Mixed.** An unrivalled strain, producing a large percentage of perfectly double, fringed flowers of the largest size and in all the best shades. Packet 50c.
3604 **Extra Select Plain Double Mixed.** A superb mixture of very double, plain petal varieties, producing large flowers in many beautiful colors. Packet 35c.

## POLYANTHUS

**(Primula Elatior)**

Fr. *Primevere des Jardins* Ger. *Gartenprimel*

Charming early flowering perennials of the primrose family. The flowers attain a height of 8 or 10 inches and are very brightly colored in shades of red, rose and yellow. Sow the seed in boxes in spring and transplant.
3645 **Coerulea.** Violet. Packet 50c.
3648 **Lutea.** Yellow. Packet 50c.
3649 **Red.** Shades. Packet 50c.
3646 **Superb Large Flowered Mixed.** A splendid strain; all the richest shades in gold laced and plain colors. Packet 25c.
3647 **Choice Mixed.** A very fine mixture of good size and brilliant colors. Packet 10c.

## PHLOX DRUMMONDI

**(Texan Pride)**

Fr. *Phlox* Ger. *Flammenblumen* Sp. *Flox*

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.
3620 **Crimson.**
3621 **Bright Scarlet.**
3622 **Chamois Rose.**
3623 **Rose Pink.**
3625 **Flesh.**
3626 **Pure White.**
3627 **Yellow.**
3628 **Violet.**

**Collection: One packet each of the eight colors.**
**55c**

3632 **Choice Large Flowered Mixed.**
3636 **Cuspidata Mixed (Star Phlox).** A distinct strain with pretty star shaped flowers.
Price: Any of the above ¼ oz. 60c, packet 10c.

## PHLOX DECUSSATA

**(Perennial Phlox)**

3640 Handsome herbaceaus perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. ⅛ oz. 60c, packet 20c.

## PORTULACA

Por-tu-lak'-a
**(Sun Plant or Rose Moss)**

Fr. *Pourpier* Ger. *Portulakroschen*
Sp. *Flor de Seda*

Brilliantly colored and effective low bedding plant, about 6 inches high and with fine foliage giving a mossy effect. Annual, very free blooming and delights in sunny situation. Sow the seeds very shallow in the open in spring and keep moist; a light loamy soil is best.

### Single Varieties

3703 **Rich Crimson.**
3704 **Soft Pink.**
3705 **Bright Scarlet.**
3706 **Pure White.**
3707 **Golden Yellow.**
Price of any of the above varieties ⅛ oz. 35c, packet 10c.
3710 **Finest Single Mixed.** Including all shades of red, rose, yellow and white. ¼ oz. 45c, packet 10c.

### Double Varieties

3713 **Double Golden.**
3714 **Double Pink.**
3716 **Double Scarlet.**
3717 **Double White.**
Price of the above 5 packets $1.00, per packet 25c.
3720 **Choice Double Mixed.** A superb strain containing many fine shades and a large percentage of doubles. ⅛ oz. 75c, packet 15c.

### COLORFUL CALIFORNIA GARDEN COLLECTION

Contains six radiant annuals that should be found in every flower garden.

California Poppy — Asters
Zinnias — Cosmos
Marigolds — Sweet Peas

Six 10c packets and one 15c packet of plant food tablets, 75c value, for 50c, postpaid.

Rehmannia

# DAINTY PETALED POPPIES

Fr. *Pavot Coquelicot* Ger. *Mohn* Sp. *Adormidera Amapola*

Well known favorites of the easiest culture. Invaluable for the annual flower section of any garden. The plants grow 2 to 3 feet high producing freely over a long period lovely, broad petaled flowers of delicate satiny texture and in the most exquisite shades. Sow in fall or early spring, cover very lightly and press firm. Plant them where they are to bloom as they do not transplant readily and when large enough thin them out to stand about 6 inches apart.

## SINGLE ANNUAL VARIETIES

Fr. *Coquelicot* Ger. *Gartenmohn*

3651 **Admiral.** Large single white with broad scarlet edge. Oz. 50c.
3652 **Danebrog (Danish Cross).** Bright scarlet with a white cross in center. Oz. 45c.
3654 **Miss Sherwood.** White shading to chamois rose. Oz. 45c.
3661 **Tulip or Flanders Poppy.** Vivid scarlet. ½ oz. 45c.
3658 **Shirley Rose Pink.** A very beautiful delicate rose shade, exquisite large flowers. ½ oz. 40c.
3656 **American Legion.** A greatly improved variety of the true Flanders Poppy. Dazzling orange scarlet. ½ oz. 30c.
Collection: One packet each of the above 6 sorts 45c.
3670 **Single Varieties Mixed.** Oz. 40c.
Price: Any of the above 10c per packet.

## DOUBLE ANNUAL POPPIES

The double annual Poppies produce enormous fully double flowers 3 to 4 inches across and are valuable for cutting as well as splendid garden subjects. 3 feet.

3674 **Bright Rose.**
3676 **Cherry Red.**
3677 **White Swan.**
3653 **Mikado.** Red and white striped.
3680 **Carnation Flowered Mixed.**
Price: Any of the above per oz. 40c, per packet 10c.
Collection of the five sorts for 40c.
3681 **Peony-Flowered Mixed.** Large, showy, double globular Peony-like flowers. Oz. 40c, packet 10c.

## DOUBLE SHIRLEY OR ELDORADO

3687 **Dazzler.** Vivid orange-scarlet begonia-like poppy. About 2½ feet high. Pkt. 20c.
3684 **Sweet Briar—Double Shirley.** Packet 20c.
3683 **Double Eldorado. Salmon.** Packet 25c.
3682 **Double Eldorado. Pink.** Packet 25c.
3685 **Double Eldorado.** Mixed. Many beautiful shades. ¼ oz. 35c, packet 10c.
3688 **New Shirley Double Queen** (Ranunculus Flowered Shirley). A beautiful strain rich in vivid colors. ¼ oz. 50c, packet 25c.

### SPECIAL OFFER

Germain's Dainty Poppies. Seven selected sorts in annual and Perennial varieties, a full display through the summer. 50c.

## GERMAIN'S IMPROVED SHIRLEY

3665 Germain's improved strain of this lovely type includes an almost endless variety of delicate pink, salmon and chamois shades deepening through old rose and soft red to terra cotta, many of the flowers being also suffused with a second shade giving an exquisite two-tone effect, while others still are edged or striped and hardly two flowers can be found exactly alike. ½ oz. 30c, per packet 10c.

## ICELAND POPPY

(Papaver Nudicaule)

Fr. *Pavot d'Islande* Ger. *Island-Mohn*

Graceful hardy perennials with bright green fern-like foliage, formed in tufts, from which issue slender stalks about 15 inches high bearing brilliant flowers in endless profusion. If sown early in spring they will bloom the first summer. They may be started in seed pans or in the open and thinned or transplanted. Seed pods should be removed regularly to prolong the blooming period.

3696 **Orange Scarlet.** Packet 10c.
3697 **Pure White.** Packet 10c.
3698 **Bright Yellow.** Packet 10c.
3700 **Iceland Poppies Mixed.** ¼ oz. 60c, per packet 10c.
3701 **Iceland Sunbeams.** A remarkable new strain of Iceland Poppies with fine new shades, longer stems and of excellent keeping quality. Very desirable for cutting. 5 packets $1.00, packet 25c.
3689 **Bracteatum (Tournefort Poppy).** A perennial of strong growth, 3 feet in height, bearing large showy flowers of rich crimson. ¼ oz. 45c, packet 10c.
3699 **El Monte.** A delightful tangerine orange on long stems, very useful cut flower. Pkt. 25c.

## PERENNIAL ORIENTAL POPPIES

Fr. *Pavot de Tournefort* Ger. *Orientalischer Mohn*

Perennials 3 to 4 feet high with stout leafy stems bearing very large richly colored flowers with dark centers. Sow the seeds in spring or early fall in boxes or in the open and later transplant to 18 inches apart.

3691 **Orientale Dark Red.** ¼ oz. 50c, per packet 10c.
3695 **Orientale New Hybrids Mixed.** Immense showy flowers in rich and vivid shades. ¼ oz. 60c, packet 15c.

Shirley Poppy

## PRIMULA

Prim′-eu-la
(Primrose)

Fr. *Primevere* Ger. *Primeln* Sp. *Primavera Schlusselblume*

All strains of this early flowering perennial are very beautiful. Several, such as Obconica, Malacoides and the English Primrose may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame. 9 inches.

## FRINGED CHINESE PRIMROSES

3739 **Chinensis Gigantea Fimbriata.** Extra large choicest Chinese fringed mixed. 1/64 oz. $1.50, packet 50c.
3740 **Chinese Fringed Mixed.** Containing all shades from white and rose to deep crimson. Flowers very large and prettily fringed. 5 packets $1.00, packet 25c.

## PRIMULA OBCONICA

3723 **Muller's Rose.** Extra large rose shades. Packet 50c.
3725 **Muller's Brilliant Red.** Superb giant flowered. Packet 50c.
3722 **Coerulea.** Blue. Medium sized blue flowers. Packet 50c.
3730 **Obconica Gigantea.** Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, rose, soft pink and white. 5 packets $1.00, packet 25c.

## MALACOIDES

(Baby Primrose)

3745 **Carmine Pink.** (New). A fine deep carmine. Packet 50c.
3746 **Alba.** White. Packet 35c.
3747 **Rosea Superba.** Fine rose. Packet 35c.
3748 **Malacoides Mixed.** Packet 25c.
3744 **Malacoides (The Baby Primrose).** A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute lilac flowers, about one foot high. 1/32 oz. $1.20, packet 20c.
3749 **Vulgaris (English Primrose).** Old favorite, canary yellow. Packet 20c.

**ENGLISH PRIMROSE.** See also Polyanthus.

## RUDBECKIA

Rud-bek′-i-a
(Cone Flower)

Fr. *Rudbeckia* Ger. *Sonnenhut* Sp. *Resplandor dorado*

3776 **Bicolor Superba Semi-plena.** Attractive annual, 2 to 3 feet, bearing masses of semi-double golden yellow flowers very useful for cutting; ¼ oz. 30c, packet 10c.

## RANUNCULUS

Ra-nun′-keu-lus

Fr. *Renoncule* Ger. *Hahnenfuss*

3760 **New California Giant Strain.** In separate red shades, yellow shades or all colors mixed. Packet 50c.
3757 **Germain's Giant French Mixed.** Beautiful perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, rose, orange and yellow. Excellent cut flower. If sown early they bloom the first season. ¼ oz. 50c, packet 10c.

## REHMANNIA

3758 **Angulata.** Bright rose. Packet 35c.

## RICINUS

Ris′-in-us
(Castor Bean)

Fr. *Ricin* Ger. *Wunderbaum* Sp. *Tartago*

3759 **Cambodgiensis.** Dark stems and highly colored leaves; oz. 45c, packet 10c.
3763 **Red Spire.** Enormous spikes of brilliant rosy salmon flowers; pretty bronzy-green foliage; 6-7 feet. Pkt. 10c; oz. 25c.
3761 **Sanguineus.** Blood red stems, bronze leaves and red fruit clusters; oz. 40c, packet 10c.
3762 **Zanzibariensis.** Very large leaves. The plants grow to great size and appear in various shades of red and bronze green; oz. 30c, packet 10c.

## SALVIA

Sal'-vi-a

**(Flowering Sage)**

*Sauge* Ger. *Prachtsalbei* Sp. *Coral*

illiant subjects for summer bedding and rder planting, flowering freely through-t the season. Although perennial they oom quickly from seed. Sow early indoors in hot bed and transplant in spring or y be sown out doors in April or May and nned to 15 inches apart. An open sunny ation is best but succeeds also in partial ade.

06 **Farinacea Blue Bedder.** A more com-ct form than the original type with deeper ie flower. Packet 15c.

01 **Splendens Harbinger.** The earliest scar-. The plants are compact, dwarf with ong dark foliage which is very effective ainst the vivid hue of the flowers. Packet

00 **Azurea Grandiflora.** Sky blue and one the very best. Has a definite place in e garden and lovely in bouquets. Packet

02 **Splendens** (Scarlet Sage). Bright fiery rlet, one of the most effective and showy all bedding plants. 2 feet. Packet 10c.

03 **Bonfire.** Similar to the above but more mpact and bushy. 1½ feet. Packet 10c.

05 **Farinacea.** Bright light blue. A fine rder perennial 3½ feet tall. Packet 15c.

04 **Patens.** Navy blue. Splendid species permanent border where heavy frost is t feared. 2½ feet. Packet 15c.

## SCABIOSA

Ska-bi-oh'-sa

**(Sweet Scabious or Mourning Bride)**

*Scabieuse* Ger. *Grindkraut* Sp. *Alfiletero Escabiosa*

eet Scabious also known as "Pincushion ower" is a well known favorite and one the best of the "old fashioned" flowers. its present-day form it ranks with our st valuable garden annuals. The flowers e large, fully double, sweet scented, very ely produced and splendid for cutting. e plants attain a height of 2 to 3 feet and e easily grown in any ordinary soil. Sow boxes and transplant or in the open in ring.

26 **Giant Hybrid Mixed.** See Novelty Sec-n, pages 10-17.

17 **Loveliness.** Tall and vigorous. Very ge and double, a glorious new shade of licate salmon rose. ⅛ oz. 50c, packet 25c.

10 **Peach Blossom.** Extra large in size, ng stems and very double. Color a beau-ul peach blossom pink. An excellent cut wer. ("Highly commended." R. H. S.) oz. 40c, packet 10c.

15 **Shasta.** A pure white of enormous size. e flowers measuring three and a half inches ross with extremely long stems. ¼ oz. , packet 10c.

05 **Azure Fairy.** Clear lavender blue.

06 **Cherry Red.** Bright cerise red.

12 **Maroon.** Velvety dark purple-red.

13 **Bright Rose.** Brilliant rose-pink.

14 **Snowball.** Pure white.

20 **Choice Mixed.** Containing all shades.

ice: All the above varieties, per pkt. 10c; oz. 25c.

llection: One packet each of 5 colors, 40c.

24 **Caucasica** (Perennial Scabious). Soft vender blue, one of the most beautiful of rdy perennials, especially esteemed for tting; 5 packets for $1.00, packet 25c.

22 **Isaac House Giant Hybrids.** A wonder-l new strain of perennial Scabiosa. Flow-s exceptionally large and appearing in any beautiful shades of lavender blue. cket 20c.

03 **Columbaria Pink Enchantress.** This vely pink shade is something entirely new a perennial Scabiosa. The flowers meas-e from two to three inches across. They e shaped like the caucasica type and their eeping quality is excellent. Packet 15c.

04 **Columbaria Lavender.** A delicate and easing lavender blue. Packet 15c.

## STREPTOCARPUS

Strep-to-kar'-pus

. *Streptocarpus* Ger. *Cap. Veilchen*

ell known greenhouse plants of the old orld which, however, are quite successful in e open ground during the summer in Cali-rnia. Flowering plants are obtained in ne or July from seed started in pans or xes under glass in February or March.

50 **Kewensis Mixed.** Large flowered in any bright shades of pink, mauve, crimson nd white. The lovely tubular flowers, held ell above the foliage, grow 10 to 12 inches height. 5 packets $1.00, packet 25c.

## SAPONARIA

Sa-poh-nair'-i-a

**(Bouncing Bet)**

Fr. *Saponaire* Ger. *Seifenkraut*

3799 **Multiflora** (Calabrica). Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white, valuable for bedding, rockwork, etc. ½ oz. 45c, packet 10c.

## SANVITALIA

San-vi-tay'-li-a

**(Trailing Sunflower)**

Fr. *Sanvitalia* Ger. *Schwarzknopfchen*

3797 **Procumbens Fl. Pl.** Free blooming trailing plants for beds, rockeries, etc. Very double, golden yellow. Packet 10c.

## SCHIZANTHUS

Skiz-an'-thus

**(Butterfly or Fringe Flower)**

Fr. *Schizanthus* Sp. *Esquisanto* Ger. *Spaltblume* *Flor de Mariposa*

This exquisite flower has long been cultivated and admired as a pot plant in England and other parts of Europe. It is very valuable here too for this purpose and makes a delightful house or conservatory plant during the winter and early spring, but it is as an out-door summer plant that it has gained its greatest popularity in America. The seed may be sown in seed boxes and transplanted or in the open in spring where it germinates quickly, coming into bloom in a few weeks from sowing. 1½ to 2 feet.

3827 **Extra Select Large-Flowered Mixed.** A wonderful strain, forming well branched bushes 2 feet high and covered with innumerable blossoms in the choicest variety of colors. 5 packets $1.00, packet 25c.

3828 **Wisetonensis Mixed.** Many splendid shades, long and profusely blooming plants with dainty, finely-cut, fern-like foliage. 1½ to 2 feet high. ¼ oz. 65c, packet 15c.

3830 **Choice Mixed.** Excellent strain in many fine shades. ½ oz. 40c, packet 10c.

## SILENE

Sy-lee'-nee

**(Campion, Catchfly)**

Fr. *Silene* Ger. *Leimkraut*

3833 **Armeria (Catchfly).** Strong growing annual, 1 to 1½ feet high, with large heads of intense rosy red flowers which are spice-scented. Good for cutting. ½ oz. 30c, per packet 10c.

3834 **Pendula Flora Plena.** Flowers fully double, bright rose, borne in great profusion on compact plants. 9 inches high. Makes a handsome carpeting between spring bulbs. Per packet 10c.

## SMILAX

3837 **Asparagoides.** A splendid very graceful perennial climber much used for decorating and festooning. ¼ oz. 35c, packet 10c.

## SALPIGLOSSIS

Sal-pi-glos'-sis

Fr. *Salpiglossis* Ger. *Trompetenzunge*

Sun-loving, velvet-petaled annual 2½ feet in height. The richly colored, trumpet shaped flowers are produced in the greatest profusion throughout the season and are magnificent for summer bedding in sunny locations. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot. Splendid for cutting.

3778 **Chamois.**
3779 **Crimson,** veined with gold.
3783 **Purple,** netted and penciled with gold.
3782 **Deep Maroon.**
3784 **Rose,** veined with gold.
3786 **White,** veined and penciled with gold.
3787 **Golden Yellow.**

Price: Any of the above ⅛ oz. 30c; per packet 15c.

Collection: One packet each of the seven colors for 75c.

3789 **Velvety Red.** See Novelty Section. Pages 10-17.

3788 **Germain's Gloxinia Flowered Mixed.** All shades beautifully veined and mottled. ⅛ oz. 35c, packet 10c.

**Streptocarpus**

# Germain's Giant Double Stocks

## GIANT PERFECTION OR CUT-AND-COME-AGAIN STOCKS

Perpetual blooming class especially valuable for summer garden display and the wealth of cut flowers which may be gathered from them over a period of several months. As the flowers are cut they throw out numerous side branches, all bearing very double, exquisitely scented flowers. 2 feet.
3927 **Sapphire.** Dark blue or violet.
3929 **Brilliant.** Fiery crimson.
3928 **May Queen.** Delicate lilac blue.
3932 **La France.** Rose.
3934 **Empress Augusta Victoria.** Silvery lilac.
3936 **Princess Alice.** Pure white.
3938 **Creole.** Creamy yellow.
3940 **Cut and Come Again Mixed.**
Price of the above, ⅛ oz. 75c, per packet 15c. Collection of one packet each of the seven colors, 80c.

## LARGE FLOWERING TEN WEEK STOCKS

Our improved strain of this popular summer stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.
3942 **Flesh Color.**
3943 **Bright Blue.**
3949 **Blood Red.**
3944 **Purple.**
3945 **Bright Rose.**
3947 **Pure White.**
3948 **Yellow.**
3950 **Finest Mixed.**
Price: ⅛ oz. 45c, per packet 10c.

## SIDALCEA

3836 **Rose Queen.** Graceful perennial with hollyhock-like flowers. Suitable for sunny borders. Flowers are a bright rose pink. Height 2-3 feet. Pkt. 15c.

## STACHY'S

**(Lamb's Ear)**

3839 **Lanata.** Very striking silvery leaved plant, useful for edgings and rock gardens. A robust grower, withstanding heat and drought. Hardy perennial. Height 6 in. Pkt. 15c.

## SOLANUM

Soh-lay'-num

Fr. *Pommier d'Amour*

3838 **Capsicastrum (Jerusalem Cherry).** Dwarf, compact shrub-like perennial. A very popular pot plant for winter decoration and especially admired for its bright orange berries. ¼ oz. 25c, packet 10c.

Mat-thy'-o-la, ma-thy'-o-la (Stocks)
Fr. *Giroflee* Ger. *Levkojen* Sp. *Aleli o Matiola*

Germain's California Grown stock seed is unsurpassed in quality anywhere on earth. A series of very rigorous trials has established this fact without question. These strains have obtained the highest honors in England and have been highly commended by the Royal Horticultural Society of Great Britain. We recommend them unreservedly, knowing that they are superior in point of size, color and percentage of doubles, the flowers frequently appearing over 80 per cent fully double.

Stocks are of inestimable value both for garden and home decoration. For brilliancy and diversity of color, fragrance, profusion and duration of bloom they are unequalled. For winter blooming sow in July and August. Seed sown in February or March will make a splendid display in summer.

Use light well prepared soil in seed pans, cover seed about ⅛ inch with soil, water carefully and keep shaded until seedlings appear.

## EARLY GIANT IMPERIAL STOCKS

A superb new strain of early flowering habit, equally successful for winter or summer flowering. The heavily branched plants 2½ feet high bear a profusion of well furnished spikes with very double, fragrant flowers of the largest size.

3874 **Antique Copper.** Rich Hellebore red overlaid with copper, giving a pleasing antique copper effect.
3875 **Apple Blossom.** Delicate soft pink.
3876 **Fiery Blood Red.** Bright and vivid shade.
3879 **Chamois.** Ivory tinted old rose.
3881 **Dark Blue.** Deep purple blue.
3882 **Elks' Pride.** True royal purple. Individual flowers, very large, tall stem, fine for cutting.
3883 **Golden Rose.** A rich light rose enhanced by a pleasing golden effect in the center of each individual flower.
3884 **Lavender.** Lavender blue.
3886 **Deep Rose.** Rich rose pink.
Price: Any of the above, 6 packets for $1.00, per packet 20c.
3890 **Giant Imperial.** See Novelty Section, Pages 10-17.

## GIANT WINTER NICE STOCKS

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states enjoying mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.

3894 **Almond Blossom.** White, shaded pink.
3895 **American Beauty.** Deep rose pink.
3891 **Aurora.** Rosy chamois.
3892 **Abundance.** Carmine pink.
3896 **Souvenir de Monaco.** Rich crimson.
3897 **Beauty of Nice.** Delicate pink.
3898 **Belle de Naples.** Old rose.
3899 **Cote d'Azur.** Lavender blue.
3901 **Summer Night.** Dark blue or purple.
3902 **Queen Alexandra.** Rosy lilac.
3904 **Salmon (Souvenir de Nice).**
3907 **Mont Blanc.** Pure white.
3908 **Monte Carlo.** Yellow.
3910 **Giant Winter Nice Mixed.**

Price: Any of the above varieties ⅛ oz. 60c, per packet 15c.
Collection: One packet each of the 10 colors for $1.25 or six separate colors (our selection) for 75c.

## SPECIAL MIXTURE

**of Annual Flower Seeds**

4170 A mixture containing dozens of species and hundreds of different varieties of the most desirable garden flowers. Not native wild flowers but all improved cultivated sorts. The mixture is ideal for naturalizing in vacant spots, for a cut flower bed in a corner of the garden and is of the greatest interest to children who quickly learn to pick out and name the well known sorts in the multitude that spring up. Very reasonable in price. Per lb. $2.50; ¼ lb. for 75c; oz. 25c; packet 10c.

Column Stocks

## GERMAIN'S COLUMN OR EXCELSIOR STOCKS

A new type which has recently attracted a great deal of attention. Each plant produces one enormous spike with very large flowers. There is practically no side growth, the entire vigor of the plant being concentrated in the production of one huge spike.
3914 **Illusion.** Bright crimson.
3915 **Brilliant.** Vivid rose.
3917 **Lilac Queen.** Silvery lilac.
3921 **Excelsa.** Pure white.
3924 **Column or Excelsior Mixed.**
Price: 1/16 oz. $1.00; per packet 35c.

## ENGLISH WINTER OR BROMPTON STOCKS

A biennial strain, of branching habit, hardy and of sturdy growth. In England they are started from seed in June and July and wintered over for spring and early summer bloom.
3951 **Crimson King.** Rich red.
3952 **Egyptian Rose.** Rose pink.
3953 **Violetta.** Violet purple.
3954 **White Lady.** Pure white.
3956 **Brompton or English Mixed.**
Price: Any of the above, 1/16 oz. 50c; per packet 25c.

## SOLIDAGO

Sol-i-day'-go
**(Golden Rod)**

Fr. *Verge d'or* Ger. *Goldrute*

3841 **Canadensis.** Tall growing perennial, very useful for background or high screen plantings. 5 to 6 feet. Produces in the fall a profusion of tall golden sprays very desirable for cutting. ⅛ oz. 30c, packet 10c.

## STEVIA

Stee'-vi-a

Fr. *Stevia*

Pretty annuals about 2 feet in height bearing dense sprays of tiny flowers, very decorative for mixing with other flowers.
3845 **Serrata.** Pure white flowers. ⅛ oz. 65c, packet 15c.
3843 **Purpurea.** Purple flowers. ⅛ oz. 45c, packet 15c.

## IMPERIAL COLLECTION OF STOCKS

Popular for bedding or cut flowers, colors include the following desirable shades:

| | |
|---|---|
| Flesh Pink | Bright Rose |
| Bright Blue | Purple |
| Blood Red | Pure White |

Six 10c packets and one 15c packet of Plant food tablets, 75c value, for 50c, postpaid.

Sweet William

## GARDENING IN CALIFORNIA

By Sydney B. Mitchell

The standard work for California garden makers, but useful also to those throughout the country who are growing the western native plants and bulbs. A mine of information on garden planning and care, with complete and specific information on western plant materials, including trees, shrubs, vines, perennials, annuals, and bulbs, with a chapter on chrysanthemums, dahlias, gladiolus, irises, roses, and one on rock and water gardening.

**Price: $2.50 (postage extra)**

## EVERLASTING FLOWERS IN MIXTURE

The Everlasting Flowers, Strawflowers or Immortelles, are interesting when grown in a mixed bed in the garden; they are also useful and colorful in the home during the winter months. Our mixture contains all the species described below.

**4185 Everlasting Flowers Mixed. Per pkt. 10c; ¼ oz. 25c.**

## SWEET WILLIAM

Fr. *Oeillet de Poete* Ger. *Bartnelken* Sp. *Clavel de los poetas*

Vigorous, free flowering perennial with large showy flower heads in bright attractive colors abundantly produced in spring. Very effective bedding and border plant blooming at a time when flowers are not as yet too plentiful. Height 15 to 18 inches. Sow in spring or early summer, flowers appear following spring.

3962 **Pink Beauty.** A beautiful variety of recent introduction. Flowers very large. Salmon rose. ¼ oz. 45c, packet 15c.

3964 **Scarlet Beauty.** A fine companion variety to the foregoing, very large and showy scarlet red. ¼ oz. 45c, packet 15c.

3966 **Single Dark Crimson.** Intense dark red. ¼ oz. 45c, packet 15c.

3968 **Single Pure White.** ¼ oz. 45c, packet 15c.

3970 **Large Flowered Single Mixed.** ½ oz. 45c, packet 10c.

3975 **Extra Large Double Mixed.** Produces large double flowers in the most vivid shades. ¼ oz. 45c, packet 15c.

3972 **Annual Single Mixed.** A fine mixture, blooming the first year from seed. Pkt. 10c; ¼ oz. 50c.

## TAGETES

3983 **Signata Pumila.** Very attractive low border annual 9 inches high with beautiful fern-like foliage; a dwarf Marigold densely covered with bright golden yellow flowers over the entire season. ¼ oz. 40c, packet 10c.

## THALICTRUM

Tha-lik'-trum

Fr. *Pigamon* Ger. *Wielandskraut*

3982 **Dipterocarpum.** Tall growing, exceedingly graceful perennial producing freely its elegant sprays covered with myriads of diminutive rosy lilac flowers, valuable and charming when cut. 5 packets $1.00, packet 25c.

## THUNBERGIA

3984 **Alata Mixed.** Flowers in shades of orange, buff, white, etc., with very dark eye. ¼ oz. 50c, packet 10c.

3990 **Gibsoni.** A beautiful vine with large brilliant orange flowers. Blooms almost all the year round in warm locations. Pkt. 25c.

## TORENIA

To-ree'-ni-a

Fr. *Torenia* Ger. *Schnappmaulchen*

3986 **Fournieri.** Annual, 1 foot high, covered the entire season with a mass of flowers, bright blue with yellow center. Packet 15c.

## TITHONIA

3985 **Speciosa.** Known as the Mexican Sunflower, this striking orange flower is usually grown as an annual and is very successful in California. Its height, habit and the shape of its flowers remind one of a single Dahlia. Packet 20c.

## TRITOMA

Tri-toh'-ma

Fr. *Tritoma* Ger. *Fackellilie*

3989 **Early Flowering Hybrids.** A showy perennial known as "Red Hot Poker" and producing many tall spikes of orange and yellow flowers. Packet 20c.

## STRAW FLOWERS AND IMMORTELLES

Everlasting Flowers are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

**Acroclinium.** Pretty daisy-like flowers, useful for bouquets either fresh or when dried. Annual 1 to 1½ ft. high.

2005 **Double Pink.** Packet 10c.

2006 **Double White.** Packet 10c.

2010 **Double Mixed.** Oz. 75c, packet 10c.

**Globe Amaranth (Gomphrena).** Good bedding plant 2 feet high with flowers resembling clover heads, which can be dried for winter use.

3034 **Purple.** Packet 10c.

3032 **Flesh.** Packet 10c.

3036 **Rose.** Packet 10c.

3038 **White.** Packet 10c.

3040 **Fine Mixed.** Height 1 ft. Oz. 60c, per packet 10c.

**Rhodanthe (Swan River Everlasting).** Charming annual. 1 ft. high.

3767 **Double Rose.** Packet 10c.

3772 **Double Mixed.** Packet 10c.

**Xeranthemum (Immortelle).** It grows to 2 or 3 ft., bearing an abundance of bright rose, purple and white flowers.

4080 **Choice Double Mixed.** Packet 10c.

**Helichrysum (Straw Flower).** The rich brilliant colors are effective in beds and borders and are extensively grown for drying. Annual 2½ ft.

3131 **Double Brown.** Packet 10c.

3134 **Double Crimson.** Packet 10c.

3135 **Double Fireball.** Packet 10c.

3137 **Double Pink.** Packet 10c.

3138 **Double Salmon-Rose.** Packet 10c.

3141 **Double White.** Packet 10c.

3142 **Douple Purple.** Packet 10c.

3144 **Double Yellow.** Packet 10c.

3145 **Double Mixed.** ½ oz. 45c, packet 10c.

**Statice (Sea Lavender).** Very popular cut flowers, fresh or dried. 1½ to 2 ft. The Sinuata type is annual, others are perennial.

3855 **Sinuata.** Dark blue. Packet 10c.

3854 **Sinuata.** Lavender. Packet 10c.

3858 **Sinuata.** Rose. Packet 10c.

3853 **Sinuata.** White. Packet 10c.

3852 **Bonduelli.** Yellow. Packet 10c.

3860 **All Colors.** Mixed. Oz. 60c, packet 10c.

3870 **Suworowii.** Slender spikes of bright rose. Packet 10c.

3862 **Caspia.** Feathery spikes of lavender blue. Packet 10c.

3864 **Latifolia.** Panicles of minute lavender flowers. Packet 10c.

## URSINIA

3994 **Anethoides.** Height about 10 inches. Deep orange flowers with dark purple zone around the center. Stems are long and the flowers are desirable for cutting purposes. Being a native of South Africa it thrives in Southern California and similar climates. Annual. Pkt. 25c.

## VALERIANA

Va-lee-ri-ay'-na

Fr. *Valeriane* Ger. *Baldrian* Sp. *Valeriana*

(Valerian)

Robust perennial blooming the first season from seed and bearing an abundance of showy flowers. Valuable for cutting. 3 feet.

3991 **Alba. Pure white.** ⅛ oz. 25c, packet 10c.

3992 **Coccinea.** Vivid scarlet. ⅛ oz. 30c, packet 10c.

3993 **Rosea.** Bright rose-pink. ⅛ oz. 25c, packet 10c.

3995 **Choice Mixed.** Containing all shades. ¼ oz. 30c, packet 10c.

## VENIDIUM

3997 **Fastuosum.** Orange yellow. Packet 25c.

## VIRGINIAN STOCK

Fr. *Julienne de Mahon*

Pretty dwarf annual with sprays of numerous rose and white flowers.

4041 **Fairy Queen.** Carmine rose.

4043 **White Queen.** Pure white.

4045 **Choice Mixed.**

Price of the above: ½ oz, 40c, packet 10c.

## VITTADINIA

4051 **Triloba.** ¼ oz. 40c, packet 15c.

Ursinia Anethoides

Verbena Stellata Violacea

# GERMAIN'S VERBENAS

## GIANT HYBRID VERBENAS

Fr. *Verveine* Ger. *Eisenkraut* Sp. *Hibrida*

Splendid new selections with individual flowers of suprisingly large size and exquisite colors. The plants are unusually vigorous and the immense flower trusses very freely produced.

4017 **Beauty of Oxford Hybrids.** See Novelty Section, Pages 10-17.

4013 **Royal Bouquet.** See Novelty Section, pages 10-17.

3998 **Hybrida Gigantea Firefly.** Brilliant scarlet with white eye. Packet 25c.
4000 **Luminosa.** Glowing flame pink shading to salmon. Packet 25c.
4011 **Etna.** Garnet red with a cream colored eye. Packet 25c.
4005 **Lavender Glory.** Large lavender, with creamy white eye. ¼ oz. $1.00, packet 25c.
4001 **Hybrida Gigantea Lucifer.** Intense scarlet throughout. Packet 25c.
4002 **Hybrida Gigantea Mayflower.** Bright rosy pink. Packet 15c.
4003 **Hybrida Gigantea Stellata Violacea.** Deep purple with large white eye. Packet 25c.
4004 **Hybrida Gigantea Mixed.** Giant sorts mixed. ¼ oz. 80c, packet 15c.

## MAMMOTH VERBENAS

Vur-bee′-na

Beautiful large-flowered varieties extensively used for bedding, borders, etc., and keeping well when cut for table decoration, vases.

4006 **Mammoth Rose Pink.**

4007 **Mammoth Dark Blue.**

4008 **Mammoth Defiance—Scarlet.**

4009 **Mammoth White.**

4010 **Mammoth Mixed.**

Price: Any of the above, ¼ oz. 50c, per packet 10c.

## VERBENA

4014 **Erinoides (Moss Verbena).** A distinct species much in demand for parking, of trailing, spreading habit and low growth, it soon covers a large area with a mass of light purple or violet colored flowers and continues in bloom almost indefinitely. ¼ oz. 60c, packet 10c.

4015 **Venosa.** Handsome hardy perennial, useful as a summer bedding and border plant. Rich rosy purple; 1 foot. Pkt. 15c.

## VINCA

Vin′-ka

Fr. *Pervenche de Madagascar* Sp. *Vincapervinca*
Ger. *numergrun*

**(Madagascar Periwinkle)**

A very free and continuous blooming bedding plant with shiny light green foliage. Good cut flowers, the buds all opening in water, and valuable as a winter pot plant for the house or conservatory. Sow seed indoors early or start in the open in May.

4018 **Alba.** White with crimson eye.

4019 **Rosea.** Rosy red.

4020 **Choice Mixed.**

Price: Any of the above, ¼ oz. 50c, packet 10c.

## VIOLA

Vy′-o-la

Fr. *Violette Cornue* Ger. *Hornveilchen*

**(Tufted Pansy)**

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are gross feeders and thrive best in light but rich soil.

4021 **Apricot.** Orange apricot. ⅛ oz. 75c, packet 25c.

4039 **Lilac.** Rosy lavender or lilac rose. ⅛ oz. 75c, packet 25c.

4038 **Heavenly Blue.** Lovely sky blue. ⅛ oz. 75c, packet 25c.

4027 **Royal Blue.** A large, deep royal blue. ⅛ oz. 75c, packet 25c.

4036 **Rose Queen.** Large rose. ⅛ oz. 75c, packet 25c.

4022 **Blue Perfection.** Clear light blue. ⅛ oz. 45c, packet 15c.

4028 **White Perfection.** Large pure white. ⅛ oz. 45c, packet 15c.

4025 **Purple King.** Rich deep blue. ⅛ oz. 50c, packet 15c.

4026 **Yellow Queen.** Bright golden yellow. ⅛ oz. 45c, packet 15c.

4023 **Papilio (Butterfly Viola).** Violet lilac with darker eye. ⅛ oz. 45c, packet 15c.

4029 **Hybrida Grandiflora Mixed.** New pansy-flowered Violas in mixture. ⅛ oz. 75c, per packet 25c.

4030 **Tufted Pansies in Choice Mixture.** ¼ oz. 75c, packet 10c.

Collection: One packet each of the five colors, 60c.

## VIOLET

Fr. *Violette* Ger. *Veilchen* Sp. *Violeta*

**(Viola Odorata)**

For this well beloved and fragrant favorite no introduction nor description is necessary —the sweet Violet is known to all. It is a true perennial and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating, therefore do not disturb seed box or beds until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

4033 **Princess of Wales.** Large and with good stems several inches in length. Packet 25c.

4032 **Odorata.** The popular sweet scented variety. ⅛ oz. 75c, packet 10c.

## VISCARIA

Vis-kair′-i-a

Fr. *Viscaria* Ger. *Lichtraschen*

Colorful and free-flowering annuals for borders, beds, etc., growing about 1 foot high. Sow in fall or spring in the open or in boxes and transplant.
4046 **Coeli Rosea (Rose of Heaven).** Rose-pink.
4047 **Elegans Picta.** Rose marked with scarlet.
4048 **Oculata.** Rose with dark eye.
4050 **Finest Mixed.** Containing many shades of red, rose and white.
Price: All the above, ¼ oz. 30c, packet 10c.

## WALLFLOWER

Fr. *Giroflee Jaune, Violier* Ger. *Goldlack*
Sp. *Aleli Amarillo*

The velvety petals of this old time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either potted indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial. 1 to 1½ feet in height.
4056 **Belvoir Castle.** Golden buff. Packet 10c.
4057 **Fire King.** Orange carmine. Packet 10c.
4058 **Harbinger.** Rich copper red. Packet 10c.
4060 **Choicest Single Mixed.** ¼ oz. 25c, per packet 10c.
4062 **Double Flowering Extra Select.** A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors. 5 packets $1.00, packet 25c.

## WISTARIA

4068 **Sinensis.** A charming old - fashioned hardy climber, producing its pale blue flowers in large clusters. Packet 15c.

Viola Heavenly Blue — Hydrida Gr. Mixed — Apricot — Hybrida Gr. Mixed

# GERMAIN'S ZINNIAS

Germain's Zinnias are among our leading specialties, and no effort has been spared to perfect our strains to a point where they are now generally accepted as the finest in point of size, vigor and brilliancy. The truly glorious riot of color created by several acres of Germain's Zinnias at the Olympic Village is still remembered by many, and new varieties and finer shades are added each year.

NOTE: Germain's California Giant, Giant Dahlia Flowered and Lilliput Zinnias are illustrated and described on the third page of the front color section in this catalogue.

## GERMAIN'S MAMMOTH ZINNIAS

Our mammoth strain is highly recommended for all bedding purposes and for cutting. The plants are tall and vigorous and produce an abundance of large very double flowers in all the desirable shades.

4106 **BURNT ORANGE.** Rich golden orange.
4118 **GOLDEN YELLOW.** Bright even yellow.
4107 **CRIMSON.** Dark red.
4111 **ROSE PINK.** Attractive bright rose.
4112 **PURPLE.** Deep lavender or light purple.
4114 **SALMON.** Salmon rose.
4115 **SCARLET.** Bright red.
4117 **WHITE.** Pure white.
4120 **MAMMOTH MIXED.** Containing a wide range of splendid shades.

**The Collection of 8 Mammoth Zinnias, 65c.**
**Price: Per packet 10c each, ¼ oz.**

## Large Flowering Double or Cut-and-Come-Again Zinnias

Sturdy bushes not over 2 feet in height bearing numerous very double flowers of large size and exceedingly bright in color. These are by many considered the most valuable group for beds and borders. Of heavily branching habit and profuse bloomers.

4122 **FLESH.** Delicate light pink.
4123 **SALMON ROSE.** A very bright shade.
4124 **SCARLET.** Vivid red.
4126 **WHITE.** Pure white.
4127 **GOLDEN YELLOW.**
4121 **ELEGANS.** Tall double mixed.

**Price: Any of the above, ¼ oz. 30c; per pkt. 10c.**

### QUILLED ZINNIAS

4158 **VICTORY QUILLED.** A distinct type. Petals are prettily quilled. Colors mostly russets, golden orange, old rose and other autumn tints. Per pkt. 25c.

### DWARF GIANT PICOTEE ZINNIAS

4156 **GIANT PICOTEE.** A very pretty mixed strain of pleasing colors the petals being edged with contrasting shades. Of special value for cutting. Pkt. 25c.

4138 **PICOTEE DELIGHT.** A salman rose variety with the distinctive picotee edge peculiar to this strain. Per packet 15c; ⅜ oz. 50c.

### CROWN O' GOLD ZINNIAS

This aristocrat among Zinnias is an outstanding introduction. Each petal is overlaid with a deep golden yellow at the base, while carrying out the individual color through the rest of the flower.

4182 **CROWN O' GOLD MIXED.** Per pkt. 25c; ⅜ oz. for 35c.

### ZINNIA TOM THUMB

Plants only 4 to 6 inches in height, covered with small double flowers of lilliput type in all colors. Excellent for low edging, pot or window box use.

4135 **TOM THUMB MIXED.** Per pkt. 25c; ⅜ oz. 35c.

### SCABIOSA FLOWERED AND MIDGET ZINNIAS

The new Scabiosa Flowered and Midget Zinnias are new and very interesting forms which will lend variety and color to your garden. These novelties are listed in the Novelty Section, pages 10 to 17.

# CALIFORNIA WILD FLOWERS

Romneya Coulteri

### GERMAIN'S SOUVENIR COLLECTION—CALIFORNIA NATIVE FLOWER SEEDS

California is noted for the beauty and variety of its native flora. A number of our Native Wild Flowers have attracted the attention of horticulturists and flower lovers everywhere and have gained much in size and beauty under the cultivation and care which they have recently received. This Collection contains ten of the most outstanding varieties.

1 Lupine Dwarf in Mixed Shades.
2 Godetia (Farewell to Spring) Mixed.
3 Abronia (Sand Verbena) Rose and White.
4 California Poppy (True Deep Orange) Reselected.
5 Clarkia Elegans Mixed Colors.
6 Mentzelia Lindleyi (Blazing Star).
7 Nemophila Insignis (Baby-Blue Eyes).
8 Gillia Tricolor.
9 Argemone Grandiflora.
10 Phacelia Campanularia.

### CULTURAL DIRECTIONS

The varieties in this Collection are all of the easiest culture and require no special attention beyond the usual care given to other annual flowers. Work up the ground and pulverize the surface thoroughly. Sow the seed broadcast and cover or rake in lightly. The seed will germinate soon after the first rain following the sowing. If sown later in the season when natural rainfall cannot be depended upon, they should be watered regularly until well started and irrigated at intervals thereafter during their growing season.

**Price: The entire Souvenir Collection, postpaid, 50c**

### ABRONIA

2001 **Umbellatum** (Sand Verbena). Low annual. Thrives in sandy soil. Flowers rose. 10c.

### ARGEMONE

2204 **Argemone** (Prickly Poppy). Annual 1½ to 5 ft. Colors white and yellow. Leaves gray green and prickly. 10c.

### BRODAEIA

2466 **Capitata** (Cluster Lily). Flowers early in spring; deep violet to white. Height ¾ to 1 ft. 15c.

### BLOOMERIA

2459 **Aurea** (Golden Stars). Golden yellow clusters. 10c.

### CLARKIA

2718 **Elegans.** Annual 3 to 6 feet high. Flowers lavender purple and crimson. 10c.

### COLLINSIA

2737 **Bicolor** (Innocence). Shaded white, lilac and rose-purple. 10c.

### COREOPSIS

3276 **Maritima** (Sea Dahlia). Perennial, 2 to 2½ ft. high. Large showy canary yellow flowers. 10c.

### DELPHINIUM

2838 **Cardinale** (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. 5 ft. 25c.

### DICENTRA

2881 **Chrysantha** (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft. 15c.

### DODECATHEON

2894 **Clevelandi** (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft. 15c.

### EMMENANTHE

2908 **Penduliflora** (Whispering Bells). Bushy annual; light yellow, bell-shaped flowers. 1½ ft. 15c.

### ESCHSCHOLTZIA

2919 **Californica** (California Poppy). The most famous of California wild flowers. Annual ½ ft. high. Golden yellow. (See also Flower Seed Section). 10c.

### GODETIA

3007 **Amoena** (Farewell to Spring). Annual 1½ to 2 ft. high. Lilac-purple and red. Shade loving. 10c.

### LATHYRUS

3261 **Splendens** (Pride of California). Magnificent perennial climbing pea. Height 6 to 10 ft. 15c.

### LAYIA

3273 **Elegans** (Tidy Tips). A pretty annual; flowers yellow tipped with white. Height 6 to 12 inches. 10c.
3274 **Glandulosa** (White Daisy). Annual flowers, pure white and daisy-like. Height 6 to 12 inches. 10c.

### LEPTOSYNE

3277 **Stillmani.** Annual, with compact, bushy, thin-cut leaves; flowers golden yellow. 1 ft. high. 15c.

### LILAC

3281 **California** (California Soap Plant). Light blue. 15c.

### LIMANTHES

3283 **Douglasi** (Meadow Foam). Yellow flowers; 4 inches high. 10c.

### LUPINUS

3321 **Nanus.** Dwarf. Fragrant; rich blue. 10c.

### MENTZELIA

3365 **Lindleyi** (Blazing Star). Showy yellow flowers; 2 to 3 ft. 10c.

### NEMOPHILA

3463 **Insignis** (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 inches. 10c.
3464 **Maculata.** White with purple blotches. 10c.
3465 Shades of blue and white mixed. 10c.

### PENTSTEMON

3572 **Spectabilis** ("Blue Pentstemon"). Large spike of deep blue flowers; height 3½ to 7 ft. 10c.

### PHACELIA

3616 **Parryi.** Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches. 10c.
3618 **Tanacetifolia** (Wild Heliotrope). Annual 2 feet high. Large heads of violet blue flowers. 10c.
3617 **Whitlavia** (Wild Canterbury Bells). Annual, deep violet purple, 1½ ft. 10c.

### ROMNEYA

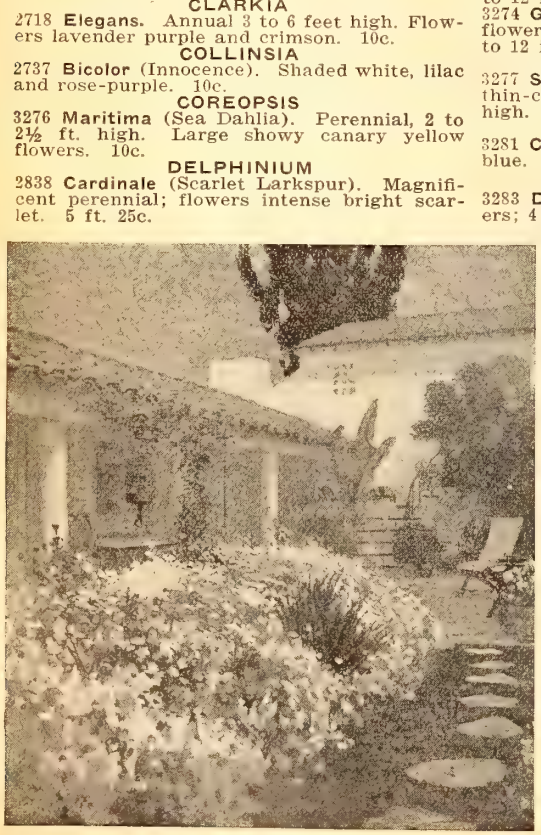
3774 **Coulteri** (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. 6 to 10 ft. 10c.

### VIOLA

4037 **Pedunculata** (California Yellow Violet). Sometimes called "The Yellow Johnny Jump-up." 25c.

### NATIVE WILD FLOWERS MIXED

4189 **Germain's Premium California Wild Flower Mixture.** Pkt. 10c; oz. 50c; ¼ lb. $1.50; 1 lb. $5.00.
4190 **California Wild Flowers in Mixture.** Pkt. 10c; oz. 30c; ¼ lb. 90c; 1 lb. $3.00.



# THE CALIFORNIA GUEST GARDEN

It is an increasingly popular custom to plant a "guest garden" where visiting acquaintances have full privileges, and are invited to cut at will with the cheering advice that "this is your garden to enjoy and to choose flowers to your heart's content."

Where grounds are ample for a guest house, the guest garden is planted close by. If there be not room to spare, then a part of the cutting garden is developed for this one specific purpose. No attempt is made to group varieties but rather there is a very definite scattering so that whether the plot be great or small the changing seasons bring new masses of flowers to delight the visitor.

### THE CALIFONIA GUEST GARDEN COLLECTION

The collection contains the following fifteen charming and distinct species:

| | | |
|---|---|---|
| Asters | Larkspur | Salpiglossis |
| African Marigold | Lupin | Stocks |
| Calendula | Petunias | Sweet Peas |
| Fox Glove | Phlox | Sweet Williams |
| Gaillardia | Poppies | Zinnias |

**SPECIAL OFFER** The entire Guest Garden Collection of 15 full sized packets in fifteen beautiful varieties providing a constant succession of bloom (Value $1.50) for..... **$1.00** POST PAID

# SEEDS of SHRUBS and TREES

The collection of shrubs and trees described on this page contains only varieties of recognized ornamental value for garden or street planting, which can be successfully grown from seed.

It must be remembered, however, that hard wooded perennials germinate and develop more slowly than most herbaceous plants: but, if cared for over the required period, they are no harder to grow than annual flowers or vegetable plants.

Sow tree seeds at the latter part of winter or in spring, preferably in seed boxes of light, well-drained soil; covering the seed about its own depth or a little deeper. Press the soil firm with the hand after sowing and keep boxes in a lath house, frame, or some sheltered place, watering regularly and carefully. When seedlings are large enough to handle, pot or transplant to other boxes and grow on until large enough to set out in the open. Acacia and other hard seeds should be soaked in hot water for 12 hours before planting. Germination of certain varieties is slow and irregular, therefore seed boxes must be given good care over a protracted period as seedlings often continue to appear for several weeks and in some cases several months.

**PRICE: All varieties of tree seeds offered on this page are 15c per packet.**

### ACACIA

4425 **Baileyana.** Glaucous pinnate foliage. Covered with yellow flowers in late winter. Oz. 75c.
4426 **Cultriformis** (Knife Leaved Acacia). Oz. 75c.
4427 **Dealbata** (Silver Wattle). Finely cut foliage. Yellow flowers in late winter. Oz. 90c.
4428 **Decurrens** (Green or Black Wattle). Good tree for avenues. Oz. 75c.
4429 **Floribunda.** Quick growing, pendulous habit. Oz. 60c.
4431 **Latifolia** (Longifolio). Oz. 75c.
4434 **Melanoxylon** (Black Wood). A favorite street tree. Oz. 75c.
4437 **Podalyriaefolia.** A shrub flowering early in winter. Oz. $1.00.
4441 **Verticillata.** Fine for lawns and groups. Oz. $1.00.

### ARBUTUS

4448 **Unedo** (Strawberry Shrub). Foliage dark green, bears flowers and strawberry-like fruit in fall. Oz. 60c.

### CALLISTEMON

4456 **Rigidus** (Bottle Brush). ¼ oz. 50c.

### CAMPHORA

4459 **Officinalis** (Camphor Tree). Symmetrical street tree or for lawns. Oz. 45c.

### CASSIA

4469 **Grandiflora Floribunda.** Spreading shrub, bright yellow flowers. Oz. $2.25.
4470 **Tomentosa** (Wooly Senna). Bright yellow flowers in winter. Oz. 50c.

### CASUARINA

4464 **Equisetifolia** (Beefwood). Needle-like leaves, good street tree. Oz. $1.10.
4466 **Stricta** (She-Oak). Tall growing, good for roads. Oz. $1.00.

### CATALPA

4468 **Speciosa** (Indian Bean Tree). Oz. 75c.

### CERATONIA

4473 **Siliqua** (St. John's Bread). Carob tree. Dark green, thick growing, fine for street. Oz. 30c.

### CEDRUS

4472 **Deodora** (Himalayan Cedar.) Silvery green, drooping. Oz. 85c.

### COPROSMA

4474 **Baueri.** Very glossy foliage, fine dwarf shrub. Oz. $1.00.

### COTONEASTER

4475 **Francheti.** Orange berries. Tall growing. Oz. $1.00.
4480 **Horizontalis.** Low spreading. Red berries. Oz. $1.00.
4476 **Pannosa.** Tall, leaves deep green, silver beneath. Berries vermilion red. Oz. 85c.

### CRATAEGUS

4477 **Yunnanensis.** Oz. $1.10.
4478 **Pyracantha.** Dark green with orange red berries in winter. Oz. 90c.

### CRYPTOMERIA

4479 **Japonica** (Japan Cedar). Oz. 75c.

### CUPRESSUS

4481 **Arizonica** (Blue Cypress). Silvery blue, stands much heat and frost. Oz. 75c.
4484 **Macrocarpa** (Monterey Cypress). Quick growing, fine for hedge or single specimens. Oz. 50c.
4486 **Sempervirens** (Italian Cypress). Tall and tapering, for formal effect. Oz. 75c.

### CYDONIA

4487 **Japonica** (Japanese Quince). Oz. $1.00.

### DRACAENA

2902 **Australis.** Slender stems surmounted by dense tuft of long strap-like leaves. Oz. 75c.
2903 **Indivisa.** Leaves narrower than above. Oz. 75c.

### EUCALYPTUS

4596 **Corynocalyx** (Sugar Gum). Stands heat and drouth, but little frost. Oz. $1.00.
4599 **Ficifolia** (Scarlet Flowering Gum). Ornamental, big clusters of crimson flowers. 100 seeds $1.00.
4601 **Globulus.** (Tasmanian Blue Gum.) Fast growing, succeeds best near the coast. Oz. $1.25.
4621 **Robusta** (Swamp Mahogany). Thrives in low moist land, good for wind break or street. Oz. 75c.
4622 **Rostrata** (Red Gum.) Succeeds under great variety of conditions. Heat, cold, drouth or moist land. Oz. 75c.
4623 **Rudis** (Desert Gum). Will stand heat and cold; good in desert or near coast. Oz. $1.00.
4629 **Tereticornis** (Gray Gum). Good for commercial use. Stands varied climates. Oz. 75c.
4631 **Viminalis** (Manna Gum). Rapid growth. Stands hot interior and high altitude. Wood less hard, works well. Oz. $1.00.

### FRAXINUS

4493 **Velutina** (Arizona Ash). Heat and drouth resistant, good shade tree for Arizona and New Mexico. Oz. 50c.

### GENISTA (Broom)

4494 **Canariensis.** Pretty Shrub, pea-shaped yellow flowers in spring. Oz. 75c.

### GREVILLEA

4499 **Robusta** (Silky Oak, or Australian Fern Tree). Beautiful tree for avenues, etc., orange flowers in late spring. Oz. $1.00.

### GUAVA

4674 **Strawberry.** Handsome shrub, foliage deep green. Fruit edible. Oz. 75c.
4676 **Pineapple** (Feijoa Sellowiana). Dark green leaves with silvery reverse. Fruit excellent for jelly. 100 seeds 75c.

### HETEROMELES

4500 **Arbutifolia** (California Holly). Good shrub, bright colored berries at Christmas time. Oz. 40c.

### JACARANDA

4503 **Ovalifolia** (Brazilian Jacaranda). Feathery foliage, blue flowers in early summer. 10 pods 50c.

### LEPTOSPERMUM

4506 **Laevigatum.** Fast growing shrub, white flowers in spring. Oz. $2.50.

### LIBOCEDRUS

4507 **Decurrens** (California Red Cedar). Oz. $1.00.

### LIGUSTRUM

4508 **Japonicum** (Japan Privet). Leaves large, leathery. Good shrub or hedge. Oz. 50c.
4509 **Nepalense** (Small leaved Privet). Bright green, quick growth, excellent for hedge. Oz. 60c.
4510 **Vulgare** (Small leaved English Privet). Similar to Nepalense. Same uses. Oz. 50c.

### MELIA

4518 **Azedarach Umbraculiformis** (Texas Umbrella Tree). Handsome street or shade tree. Stands much heat. Oz. 30c.

### MELALEUCA

4514 **Hypericifolia.** Tall, with rich red flowers. ¼ oz. 50c.
4516 **Nesophila.** Gray green, spreading shrub; flowers rosy lilac. ¼ oz. 50c.

### METROSIDEROS

4517 **Tomentosa.** Handsome shrub; flowers with crimson stamens. Oz. $3.00.

### MYRTUS

4521 **Communis** (True Myrtle). Small white, fragrant flowers. Oz. $1.00.

### NANDINA

4522 **Domestica.** Attractive dwarf shrub, foliage colors in fall. Oz. 90c.

### PINUS

4527 **Canariensis** (Blue Pine). One of the best for So. California. Oz. 75c.
4530 **Halepensis** (Aleppo Pine). A valuable species, very ornamental. Oz. 75c.
4529 **Insignis** (Monterey Pine). Very successful near the coast. Oz. 90c.
4539 **Torreyana** (Torrey Pine). A handsome native species of spreading habit. Oz. 90c.

### PITTOSPORUM

4541 **Crassifolium** (Karo). Grey-green downy foliage, deep red flowers. Oz. $1.50.
4542 **Eugenoides** (Tarara). Oz. $1.25.
4543 **Nigricans** (Tawhiwhi). Small shiny leaves with leaf-stems almost black. Oz. $1.50.
4547 **Tobira.** Dark green shiny leaves, numerous white fragrant flowers. Oz. $1.10.
4548 **Undulatum** (Orange P.). A small tree with large deep green leaves. Oz. $1.10.

### POMEGRANATE

4684 (Punicum Granatum). Oz. $1.50.

### PRUNUS

4552 **Illicifolia** (California Cherry). Oz. 30c.
4553 **Integrifolia** (Catalina Cherry). Oz. 30c.

### SCHINUS

4559 **Molle** (Mexican Pepper Tree). Finely cut bright green leaves, coral red berries. Oz. 25c.

### SCIADOPYTIS

4561 **Verticillata** (Japan Umbrella Pine). Very ornamental. Oz. $1.10

### SEQUOIA

4567 **Gigantea** (California Big Tree). Oz. $3.00.
4568 **Sempervirens** (California Redwood). Oz. $1.10.

### SPARTIUM

4562 **Junceum** (Spanish Broom). Large, pea-shaped yellow flowers in profusion; rush-like leaves. Oz. 50c.

### STERCULIA

4564 **Diversifolia** (Brachychiton Populneum, (Australia Bottle Tree.) Oz. 60c.

### THUJA

4574 **Orientalis** (Chinese Arborvitea). Tall, Oz. 60c.
4573 **Orientalis Aurea** (Golden Arborvitea). Oz. 75c.
4576 **Orientalis Nana Compacta** (Dwarf Chinese Arborvitea). Oz. 60c.

### VIBURNUM

4578 **Tinus** (Laurustinus). Oz. 30c.

### PALM SEEDS

### COCOS

4639 **Plumosa.** Slender trunk, long plumed leaves; a favorite street palm. 100 seeds $1.25.
4638 **Australis** (Pindo Palm). 100 seeds $1.00.

### ERYTHEA

4641 **Armata** (Brahea Glauca). Blue Palm. Elegant fan palm. 100 seeds $1.20.
4642 **Edulis** (Brahea Edulis). 100 seeds $1.00.

### PHOENIX

4649 **Canariensis.** The ornamental date palm. 100 seeds 50c.

### WASHINGTONIA

4659 **Filifera** (California Date Palm). Oz. 25c.
4658 **Robusta.** A robust Fan palm. Oz. 35c.

Berty Snow

# GERMAIN'S CHOICE GLADIOLUS

This is the best list of gladiolus we have ever offered. It is composed of both the finest new originations and the best proven varieties. All are especially adapted to the California climate. Gladiolus are extremely easy to grow and will bloom the year around in this state.
We grow at Camarillo over a million bulbs a year. Our fields are visited by thousands every spring. The bulbs offered below are first size, all grown from young, clean, Semesan treated planting stock and the varieties included in our list are those which by their prominence in National Exhibitions and their constant use by florists have proved themselves to be the finest Gladiolus in cultivation.

## GERMAIN'S COLLECTION OF NEW GLADIOLUS

For fifteen years an internationally known specialist has been hybridizing gladiolus, producing many new varieties of exceptional merit. Germain's take great pleasure in offering for the first time several of the finest of this noted hybridist's creations at prices within the reach of all.

| | Each |
|---|---|
| EARLY DAWN, Strawberry | $ .40 |
| PURPLE EMPRESS, Dark Purple | .25 |
| FAIRY FANCY, Laciniated Cream | .25 |
| MRS. CLIFFORD MOORE, Light Smoky | .25 |
| RED PHIPPS, Bright Red | .25 |
| MOUNT CLEMENS, Pink and Cream | .15 |
| MICHIGAN GIANT, Orange | .15 |
| SANTA ANA, Pink and Cream | .15 |
| CORONADO, Purple and White | .15 |
| ORANGE PRINCE, Orange | .10 |
| TOTAL VALUE | $2.10 |
| **Entire Collection, Only** | **$1.50** |

For complete description see next page.

Winged Victory

## POPULAR COLLECTION

This assortment contains ten varieties that have been extremely popular. Tried and tested and proven their worth. Note the collection price and picture them in your garden this year and then try to figure how you can spend 60c that will give you any more pleasure.

| | Each |
|---|---|
| KONYNENBURG, Blue | $ .10 |
| BERTY SNOW, Lavender | .10 |
| LOS ANGELES, Pink | .10 |
| VIRGINIA, Red | .10 |
| SOUVENIR, Yellow | .10 |
| GIANT, NYMPH, Pink | .10 |
| VEILCHENBLAU, Violet | .10 |
| MR. W. H. PHIPPS, Pink | .10 |
| MRS. FRANK PENDLETON, Pink and Crimson | .10 |
| ELF, White | .10 |
| Total Value | $1.00 |
| **Entire Collection Only** | **$ .60** |
| **2 Collections for Only** | **$1.00** |

For complete descriptions see next page.

## BEST TEN COLLECTION

Each year the American Gladiolus Society composed of six thousand members conduct a voting contest to ascertain the ten best gladiolus in the world.
This collection, listed in the order chosen, includes the 10 glads which six thousand experts picked as their favorites. All are giant types with no two alike in color. These are the most beautiful glads in the world.

| | Each |
|---|---|
| PICARDY, Shrimp Pink | $ .20 |
| MINUET, Large Lavender | .15 |
| BETTY NUTHALL, Brilliant Orange | .10 |
| DR. F. E. BENNETT, Bright Scarlet | .10 |
| MR. W. H. PHIPPS, La France Pink | .10 |
| COMMANDER KOEHL, Black Red (very striking) | .15 |
| MOTHER MACHREE, Smoky (very odd) | .10 |
| MRS. LEON DOUGLAS, Begonia Rose | .10 |
| ALBATROSS, Purest White | .10 |
| GOLDEN DREAM, Deep Yellow | .10 |
| Total Value | $1.20 |
| **Entire Collection Only** | **$1.00** |

For complete description see next page.

## GERMAIN'S BLUEST OF THE BLUE

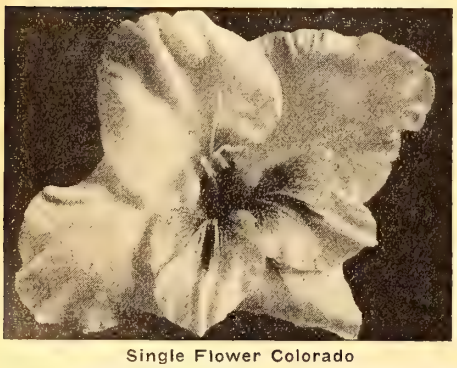
### Five Superb Blue Gladiolus

We have made a careful comparison of a number of blue gladiolus and have selected the five following as the best in cultivation. Used in connection with yellow, cream or white varieties, they are simply grand!
AIDA, Dark Blue.
AVE MARIA, Violet Blue.
JACOBA VAN BEIJEREN, Deep Violet.
MRS. VAN KONYNENBERG, Clear Light Violet.
VEILCHENBLAU, Purple Violet.

**COLLECTION**
2 each of the five blue gladiolus, 75c
3 Collections for $2.00

**GLADIOLUS.** By F. F. Rockwell. Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulblets; how to harvest and cure; and how to handle for cut flowers. $1.25.

# GERMAIN'S SELECT GLADIOLUS



Single Flower Colorado

**AFLAME.** Begonia-rose edged with bright scarlet. Often measures 6 inches across. 3 for 25c; $1.00 doz.; $7.00 per 100.

**AIDA.** Large, deep blue flowers with a small reddish lilac blotch. 3 for 25c; $1.00 doz.; $7.00 per 100.

**ALBATROSS.** Very large pure white with 6-8 blooms open at a time. Blooms have a tendency to face up in the so-called lily form. A fine propagator. Many consider this the finest white. 15c each; $1.50 doz.

**ALICE TIPLADY.** A lovely orange saffron. 4 for 20c; 60c doz.; $4.25 per 100.

**ANNA EBERIUS.** Deep velvety wine purple, very unusual and desirable. 3 for 25c; 90c doz.; $6.25 per 100.

**ARLON.** Fine spike, rich salmon with red throat. 4 for 20c; 60c doz.; $4.25 per 100.

**AVE MARIA.** Medium violet blue with red feather. 3 for 25c; $1.00 doz.; $7.00 per 100.

**BERTY SNOW.** Pinkish lavender, sometimes flecked. 7-10 large well-placed flowers on a long spike. One of the finest lavenders. 4 for 25c; 75c doz.; $5.25 per 100.

**BETTY NUTHALL.** The glory of the whole garden. The plants are tall and vigorous, the spikes very long, strong and graceful. The color is glowing orange pink with pale orange throat and a light feathering of carmine. The florets are often six inches across, of splendid substance and placement. Eight or more blossoms open at once. Blooms keep well and make splendid house decoration. 3 for 25c; $1.00 doz.; $7.00 per 100.

### GERMAIN'S "SURPRISE" GLADIOLUS MIXTURE

A splendid mixture containing all the beautiful shades but composed of slightly smaller bulbs. A real "buy." 25 bulbs 50c; 50 bulbs 90c; 100 bulbs $1.75.

### GERMAIN'S "SUBURBAN GARDEN" GLADIOLUS MIXTURE

Fine for larger plantings of Gladiolus both for garden display and for cutting. All first quality and No. 1 size. 25 bulbs 65c; 50 bulbs $1.25; 100 bulbs $2.50.

# Germain's Select Gladiolus (Continued)

**CHAS. DICKENS.** Violet purple with a blotch on the lower petal. 3 for 25c; $1.00 doz.; $7.00 per 100.

**COMMANDER KOEHL.** Huge wide open blooms of brilliant dark scarlet red, almost black, no markings or blotches. Six or seven open. Heavy substance. Five-foot spikes that stand up under practically all weather conditions. 2 for 25c; $1.50 doz.; $10.00 per 100.

**CORONADO.** An unusually large heavily ruffled white with a royal purple throat. The purple of the throat is lacelike and forms a wonderful combination with the pure white petals. Single flowers are very large, measuring from six to seven inches in diameter. Texture is of the best. This grand flower won best spike in the 1927 California Gladiolus Society show and is receiving high acclaim from flower growers in all parts of the world. 2 for 25c; $1.50 doz.; $10.00 per 100.

**DR. F. E. BENNETT.** One of the finest of all the reds. Very large, tall, brilliant flame scarlet. Many open at one time. Awarded numerous first prizes as the best red. Best of the bright glowing Spanish colors. 3 for 25c; $1.00 doz.; $7.00 per 100.

**EARLY DAWN.** A magnificent flower, a success in the cut flower market, a show winner, awarded first prize in its class at each of the last three shows of the California Gladiolus Society. Color, rich geranium pink, slightly deeper on lower petals, small red line in the throat. Six inches in diameter, well spaced, tall straight spike. Extremely early, wonderful lasting quality, vigorous growth, splendid propagator. 50 each; $5.00 dozen.

**EVELYN KIRTLAND.** Charming bright coral pink, tall, graceful stalk. 4 for 25c; 75c doz.; $5.25 per 100.

**FAIRY FANCY.** Beautiful, extremely laciniated cream with pink stripes in throat very fine and decorative. 25c.

**GOLDEN DREAM.** Golden yellow, fine spike, an excellent rich yellow. 4 for 25c; 75c doz.; $5.25 per 100.

**GOLDEN MEASURE.** Very tall growing, large flowered yellow. 3 for 25c; 90c doz.; $6.25 per 100.

**HELEN WILLS.** Large white with a tinge of canary. 3 for 25c; $1.00 doz.; $7.00 per 100.

**HELEN WILLS.** An elegant tall, clean, large white, shading to soft canary on lower petals. Vigorous and of wonderful substance. 10c.

**HINEMOA.** Deep pink ground flaked with dark chocolate crimson; a large, clean-cut, clear yellow blotch standing out in strong contrast. 20c each; $2.00 doz.; $14.00 per 100.

**JACOBA VAN BEIJEREN.** Very fine violet color. Good spike and well placed flowers. 3 for 25c; $1.00 doz.; $7.00 per 100.

**LOS ANGELES.** Lovely flower, beautiful shrimp pink with carmine blotch. 10c.

**MAMMOTH WHITE.** Huge white flowers, 6 inches across. 20c each; $2.00 doz.; $14.00 per 100.

**MARMORA.** French gray with pale purplish throat. One of the most unique colors in cultivation. 2 for 25c; $1.50 doz.; $10.00 per 100.

**MAROCCO.** One of the darkest, deep shiny maroon red. 2 for 25c; $1.50 doz.; $10.00 per 100.

**MARY PICKFORD.** A charming creamy tone blending with a soft lemon color. 3 for 25c; $1.00 doz; $7.00 per 100.

**MICHIGAN GIANT.** Enormous bright orange, tall, vigorous. Immense blooms of good keeping quality. New this season. Exceptional. 2 for 25c; $1.50 doz.; $10.00 per 100.

**MINUET.** Beautiful pure, clear lavender, good size, fine placement, heavy substance and strong, straight stems. A flower of extreme elegance and beauty. 2 for 25c; $1.50 doz.; $10.00 per 100.

**MOUNT CLEMENS.** Tall growing, deep pink with creamy throat. New introduction this season. 2 for 25c; $1.50 doz.; $10.00 per 100.

**MRS. CLIFFORD MOORE.** The color of an opal, creamy pink shaded with bluish gray. 25c each; $2.50 dozen.

**MRS. F. C. PETERS.** Beautiful lilac shade with soft crimson blotch. 3 for 25c; $1.00 doz.; $7.00 per 100.

**MRS. FRANK PENDLETON.** Lovely salmon pink with brilliant dark red blotch. 4 for 20c; 60c doz.; $4.25 per 100.

**MRS. LEON DOUGLAS.** One of the largest and finest. Begonia rose, striped, marked with flame and scarlet. 3 for 25c; $1.00 doz.; $7.00 per 100.

**MRS. VAN KONYNENBURG.** The best blue gladiolus to date, in our opinion. Tall, elegant spike. Color a clear bluish violet. 3 for 25c; $1.00 doz.; $7.00 per 100.

**MR. W. H. PHIPPS.** La France pink overlaid with light rose salmon, shading lighter toward center. Flowers enormous. A masterpiece in gladiolus. Called by many the finest glad in existence. 3 for 25c; $1.00 doz.; $7.00 per 100.

**MOTHER MACHREE.** A most interesting new gladiolus; vinaceous lavender with edges of petals overlaid salmon pink. This is rated as the finest of all the "Ashes of Roses" type. Six to eight large perfectly placed blooms open at once. Tall, straight spikes. This variety sold originally at $100.00 per bulb. 3 for 25c; $1.00 doz.; $7.00 per 100.

**ORANGE PRINCE.** A very attractive tall primulinus hybrid on the order of Souvenir but of a deeper rich yellow with a longer flower spike. The backs of the petals and the buds are bronze. Five to six blooms open at one time. 3 for 25c; $1.00 doz; $7.00 per 100.

**ORANGE WONDER.** Rich, true orange. Exceptionally brilliant in color. 3 for 25c; $1.00 doz.; $7.00 per 100.

**OUR SELECTION.** Smoky salmon rose, red feather and crimson lip. 3 for 25c; $1.00 doz.; $7.00 per 100.

New Gladiolus Red Phipps

**PURPLE EMPRESS.** Giant royal purple, long pointed petals, large spike and tall grower. 25c each; $2.50 doz.; $17.50 per 100.

**PICARDY.** Soft shrimp pink without flecking. Blotch of light flesh pink shading to shrimp pink at edges. Blooms up to six inches or more across. Well placed on tall, strong spike. This variety has been the sensation of the gladiolus world since its introduction. It has created more favorable comment than any variety in many years. Has won practically everywhere it has been shown. An extremely beautiful creation. 20c each; $2.00 doz.; $14.00 per 100.

**RED PHIPPS.** New this season. Best red gladiolus. Many bright light red blooms open at once on straight stalk. We are proud to offer this variety. 25c each: $2.50 doz.; $17.50 per 100.

**ROSE ASH.** General color effect, "Ashes of Roses." A favorite "smoky" sort. 2 for 25c; $1.50 doz.; $10.00 per 100.

**SCARLANO.** Bright fiery scarlet red. 4 for 20c; 60c doz.; $4.25 per 100.

**SHEILA.** Light coral salmon fading to flesh pink in throat with primrose blotch on lower petals. Very good form with plenty of vigor. 4 for 20c; 60c doz.; $4.25 per 100.

**SALBACH'S PINK.** Large wide open glowing geranium pink, with soft carmine tongue and throat markings. Long graceful flower spike with eight to sixteen open at once. 2 for 25c; $1.50 doz.; $10.00 per 100.

**SANTA ANA.** New this year. Delicate cream and apple blossom pink combination. Very choice and refined. 2 for 25c; $1.50 doz.; $10.00 per 100.

**SOUVENIR.** The finest of all yellow prims. 3 for 25c; $1.00 doz.; $7.00 per 100.

**VEILCHENBLAU.** Good blue, deep violet purple in color. 3 for 25c; $1.00 doz.; $7.00 per 100.

**VIRGINIA.** A bright fiery red. The flowers are large, the stems strong yet graceful. 3 for 25c; $1.00 doz.; $7.00 per 100.

Our Display Won Sweepstakes at Gladiolus Show

Germain's Prize Exhibit at the Biltmore Show.

# NEW DAHLIAS FOR 1935

**BEATRICE VAN VALKENBURG (Miniature).** If you want the best do not overlook this one. It won first prize in Southern California's three largest shows this year. The color is between pink and lavender, has a good stem and is a prolific bloomer. It never gets larger than a pompon. A Frank C. Mulkey origination. 75c.

**DERRILL HART.** Decorative. Color a pleasing yellow shading to grenadine red. In the late fall almost copper color. Well formed blooms are held on erect stems. 75c.

**EDNA FERBER.** Semi-cactus. A beautiful glistening coral hybrid cactus that shades to old gold at base of petals. The flower is large and full with gracefully curled petals. 75c.

**MISS CARMEN CAMARILLO.** Hybrid Cactus. A beautiful flower of good substance, and deep center. The petals gracefully waved and slightly curled. Color a glowing copper salmon changing to old gold at the base of the petals. $2.50.

**MISS HELEN LOWELL.** Decorative. A splendid new salmon pink with yellow shadings. A lovely large flower 6 to 7 inches in diameter and a prolific bloomer. 75c.

**Collection:** One bulb each of the sixteen New DAHLIAS described above (Regular value $23.75) for $15.00, postpaid.

**PATRICIA ARMSTRONG.** Show. Again won blue ribbon at Los Angeles Show this year as best basket ball dahlias. A dark red and white variegated that blooms about sixty per cent red. One of the best florist's flowers we grow. Blooms average five and one-half inches. Each $1.50.

**SHAZADI.** Decorative. Tyrian rose but popularly called American Beauty in color. Flowers are large and carried on tall bushes on extra long stems. We consider this dahlia as the best in a most desirable color. 75c.

**SPANKY.** Miniature. A new variety in a new color, glowing scarlet, and all that might be desired in a miniature. $1.00.

**THOMAS A. EDISON.** Decorative. This gorgeous new royal purple with stag horn petal formation has proven quite a sensation at all of the shows. Its dark, insect resistant foliage and cane-like stems, combined with its growing habits, leaves nothing to be desired. 75c.

**TREASURE ISLAND.** Decorative. This dahlia is most distinct in color, being a bright apricot flushed and tinged with gold and rose. Very large and best of stems. 75c.

**ELISSA LANDI.** Decorative. We consider this one of the finest late introductions. The flowers rank with the largest and are beautifully formed. In color it is a glowing salmon shading to burnt orange. An exquisite shade in a flower of great beauty and distinction. $3.50.

**GOLDEN GOBLIN.** Decorative. A really wonderful new variety, brilliant rich old gold in color. Flowers of immense size carried on long straight stems. $1.00.

**GOLDEN SUNBURST.** Decorative. Full to the center at all times. Measures 7 to 8 inches under ordinary garden cultivation without disbudding. Color, a rich bright gold delicately tinted old rose deepening to carmine at the center. $1.50.

**MAE WEST.** Decorative. Flowers to 10 inches in size, tall and strong with fine dark green foliage. Color, a soft rosy pink blending to a rich gold center. $2.50.

**SATAN.** Semi-Cactus. Flaming red with a slight touch of gold at the center. Petals rolled and incurved. A flower new in character and exquisite in coloring. Rugged in growth, with strong stems and large flowers. A consistent prize winner at the shows. $2.50.

**WHITE WONDER.** Decorative. This splendid new white will be welcomed at a time when white flowers are becoming more and more the vogue. It is a remarkably strong grower, wide spreading with many branches and producing giant blooms that can be cut with 5 to 6-ft. stems. The pure white flowers reach 11 to 12 inches and up to 8 inches in depth. $2.50.

# GERMAIN'S CHOICE DAHLIAS FOR 1935

**ANDREAS HOFER.** German Cactus. Bright pink shading to a creamy center. 50c.

**ANN RUTLEDGE.** Informal Decorative. A wonderful shade of oriental fuchsia blended with lavender. A splendid keeper, excellent cut flower and exhibition variety. 50c.

**ARDARA.** Hybrid Cactus. Light rose pink changing to cream in the center. 50c.

**AVALON.** A rich golden yellow Decorative of great size and beauty. Remarkably fine cut flower, held erect on strong stems well above the heavy dark green foliage. 35c.

**BLACK JACK.** Extremely large flowers of deepest maroon. Tall, vigorous plants and strong, straight stems. 75c.

**BONNIE BLUE.** Show. Popular wherever seen. Its striking near blue color is unique. 25c.

**B. P. O. E.** Show. A rich royal purple. Perfect form good stems and good keeping qualities. 25c.

**BRONZE MIDGET.** Miniature. A fine shade of coppery bronze. 50c.

**CANARY CUP.** Informal Decorative. A very large rich yellow of good keeping qualities, growing on very long stems. One of the sensations of the recent show. 75c.

**COPPER CHIEF.** Informal Decorative. A beautiful copper-bronze—an unusual and striking flower growing to 7 inches in size. 75c.

**CORAL MIDGET.** Miniature. Splendid for cutting. Color, coral apricot. 50c.

**DAINTY MAID.** Formal Decorative. White, delicately flushed and overcast with lavender. While only a five-inch blossom, its exquisite coloring and exotic formation make it worthy of space in any garden. A splendid keeper. 50c.

**DR. TEVIS.** Decorative. Salmon rose, suffused gold and apricot. 50c.

**EAGLE ROCK SUNSHINE.** Cactus. An elegant flower of cactus type. Large, good substance and a fine deep yellow in color. 75c.

**CHAMPAGNE.** Decorative. Chamois tinted with coppery bronze. Huge flower on rigid upright stem. 50c.

**DOROTHY FRENCH.** Decorative. Excellent either for cutting or garden culture. Orchid pink in color. 50c.

**EL CAMINO REAL.** Decorative. Large and velvety Spanish crimson. 50c.

**ELIZABETH PAPE.** A tiny Cactus variety which has attracted the greatest attention—color, a lovely salmon pink. 35c.

**EMPRESS EUGENIE.** Decorative. Profuse bloomer and excellent keeper. Color a light mallow purple. 35c.

**FLAMING METEOR.** A Decorative of great size and depth. Flaming scarlet and orange buff, a brilliant and luminous color combination. The position of the petals and entire make-up of the flower is remarkably regular and symmetrical. 75c.

**GARDEN LOVE.** Miniature. Carmine rose. Very popular. Roots only. 35c.

**GLADYS BATES.** Decorative. Color tan with rose reverse. Petals beautifully curled. 50c.

**GLADYS SHERWOOD.** Hybrid Cactus. White dahlias of real quality are not too plentiful. Gladys Sherwood is a glistening pure white of perfect form, large and free. 50c.

**FORT MONMOUTH.** Hybrid Cactus. An excellent variety, well formed, showy, color rich claret red. 75c.

## THE "BEAUTY" COLLECTION

| | |
|---|---|
| Jersey Beauty. Rose pink | $ .50 |
| Trink. Red | .75 |
| Copper Chief. Copper bronze | .75 |
| Pauline Armstrong. Purple and lavender | 1.00 |
| Eagle Rock Sunshine. Deep yellow | .75 |
| The Shriner. Crimson tipped gold | .75 |
| Gold Rush. Lemon yellow | .35 |
| Nell Gwyn. Deep rose | .75 |
| Mrs. E. T. Smith. Cream white | .35 |
| Mrs. Nathaniel Slocombe. Gold | .50 |

Total Regular Value $6.45
PRICE: $3.75 Postpaid

## THE "GOLDEN WEST" COLLECTION

| | |
|---|---|
| Golden West. Orange yellow | $ .35 |
| Miss Helen Lowell. Salmon pink | .75 |
| Rose Glory. Rose pink | .75 |
| Ivory. Ivory yellow | .75 |
| Nopal. Glowing red | .75 |
| Tommy Atkins. Scarlet | .75 |
| Gladys Bates. Tan and rose | .50 |
| Tryphinnie. Pink and gold | .35 |
| Avalon. Fine true yellow | .35 |
| Yukon. Rich royal purple | .50 |

Total Regular Value $5.80
PRICE: $3.25 Postpaid

## THE "METEOR" COLLECTION

| | |
|---|---|
| Flaming Meteor. Flame red | $ .75 |
| Mrs. I. De Ver Warner. Mauve pink | .25 |
| Golden Goblin. Old gold | 1.00 |
| Orange Beacon. Orange | .50 |
| Patricia Armstrong. Dark red and white | 1.50 |
| Dainty Maid. White, flushed lavender | .50 |
| Gladys Sherwood. Pure white | .50 |
| Jean Chazot. Red suffused gold | .50 |
| Mrs. Carl Salbach. Favorite lavender | .35 |
| Inkyo. Very dark maroon | .50 |
| Robert Treat. American Beauty Rose | .50 |
| Mr. Crowley. Salmon with yellow center | .35 |

Total Regular Value $7.20
PRICE: $4.95 Postpaid

Flaming Meteor

**GOLDEN WEST.** Cactus. An old favorite and still one of the best cut flower cactus dahlias, orange yellow in color. 35c.

**GOLD RUSH.** Decorative. Clear lemon yellow—one of the few really good yellow sorts we have seen. 35c.

**HENRY JAMES.** Ball. A most interesting two-tone flower in white and lavender. 50c.

**INKYO.** Hybrid Cactus. Vigorous and floriferous. The large well poised blooms are very dark maroon, almost black. 50c.

**INSULDINE.** Decorative. This well known variety is unique in its striking combination of autumn tints and its large blooms composed of broad curled and waved petals. Should be in every collection. 75c.

**IVORY.** Decorative. A 7 to 8-inch bloom of formal decorative type in a pleasing shade of ivory yellow. 75c.

**JANE COWL.** Decorative. Bronze buff, shading to a glistening apricot center. Blooms of immense size and of full depth but not inclined to coarseness as there is just enough twist to the petals to give them an artistic touch. 75c.

**JEAN CHAZOT.** Hybrid Cactus. Capucine red with golden suffusion. 50c.

**JERSEY'S BEAUTY.** Decorative. One of the outstanding newer dahlias which has won favor the world over. Clear pure pink in color. 50c.

**LAGUNA.** Formal Decorative. One of the best of the large flowered pure lavenders. Has good keeping qualities. 50c.

**MAIDE.** Miniature. This is a large pompon, a blending of red and yellow that looks like orange when massed. This dahlia requires too much disbudding to make a first class florist's flower, but is ideal for landscaping or for anyone that wants a profusion of bloom in the garden. Low growing and bushy. 50c.

**MAUDE ADAMS.** Show. White, delicately tipped with pink. 50c.

**M. H. DeYOUNG.** Decorative. Pure old gold, the best of its color. The large flowers are held high on absolutely stiff stems. Fine for exhibition and cutting. $1.50.

**MR. CROWLEY.** A bright glowing salmon pink, shading to yellow at the base of petals; the habit is dwarf. The medium size flowers are held erect on strong stems. 35c.

**MRS. CARL SALBACH.** Decorative. Everyone knows this favorite lavender variety. Splendid for cutting and garden alike. 35c.

**MRS. ETHEL F. T. SMITH.** Flowers of immense size. Cream shading to lemon center. Hybrid Cactus. 35c.

**MRS. I. DE VER WARNER.** Artistic, well-shaped and truly immense in size. Color a bright mauve pink, always popular. Each 25c.

**MRS. NATHANIEL SLOCOMBE.** Decorative of good substance and rich golden yellow in color. Each 50c.

**MY GIRL.** Decorative. An exhibition variety of largest size. Superb carmine. Each 50c.

**NELL GWYN.** Decorative. A good all around dahlia. Color deep rose pink. Each 75c.

**NOPAL.** Superb new Hybrid Cactus. Large size, perfectly formed. Color rich glowing red, brilliant and attractive. 75c.

**ORANGE BEACON.** Decorative. Fine large flower, a beautiful orange in color. Each 50c.

**ORANGE GOLD.** Hybrid Cactus. This bright, colorful variety always attracts much attention. The shade, as the name implies, is a vivid golden orange. It is a most satisfactory dahlia in every respect. 50c.

**PAULINE ARMSTRONG.** Decorative. Large purple and lavender variegated. Each $1.00.

**PINK PERFECTION.** Decorative Ball. This Delice pink ball won an award of merit in 1931 at the Los Angeles Biltmore Show as a seedling. Has a good stiff stem, a prolific bloomer and an excellent cut flower. Each 75c.

**PRIMROSE DAME.** Cactus. Primrose yellow overlaid with pink. A fine garden and cut flower variety. 35c.

**QUEEN OF THE GARDEN BEAUTIFUL.** Decorative. Pale lemon yellow. This dahlia has been one of the most popular since its introduction and is one of our best sellers. Plants are very vigorous in growth, stems unusually strong, holding the giant flowers well above the foliage. 50c.

**RICHELIEU.** Decorative. A most desirable red dahlia, good in every way, 75c.

**ROBERT TREAT.** Strong growing Decorative. Bright American Beauty Rose. A real acquisition to any collection. 50c.

**ROSE GLORY.** Decorative. Fine substance, strong stem, of Jersey Beauty type; a glowing rose pink in color. 75c.

**RUNA.** Decorative. A charming orchid pink, a splendid florists' flower. For the abundance of large blooms no dahlia surpasses Runa. Its long stems and unusual keeping qualities make it an especially desirable cut flower. 75c.

**SAGAMORE.** Decorative. A lovely golden color. Strong stems, good keeping quality. 35c.

**TOMMY ATKINS.** Decorative. Flaming scarlet with a metallic lustre. A brilliant well formed flower of large size, carried on strong tall stems. A fine red dahlia. 75c.

**THE SHRINER.** Decorative. A popular bicolor, bright crimson boldly tipped with white. 75c.

**THE WORLD.** Decorative. A meritorious dahlia of unusual color—rosy magenta and silver—8 to 10-inch blooms on each stem. This variety is recommended to those who want something different. A very robust plant. 50c.

**TIGERINE.** Decorative. One of the most unusual color combinations we have seen. A perfect tricolor, being yellow with red stripes in the center and surrounded by outer petals of salmon pink. $1.00.

**TRINK.** Decorative. Another red, but a good one. We have grown this in large quantities for six years. It is a late bloomer but a florist's favorite. One of those rare varieties that make up a lovely basket without anything else with it. An autumn red that blooms long after everything else in the garden is through. Each 75c.

**TRYPHINNIE.** Decorative. Bright shell pink with golden suffusion and yellow base. 35c.

**YUKON.** Decorative. Color rich royal purple. A fine, good size flower, on tall long stems. Each 50c.

# GERMAIN'S POMPON DAHLIAS

**AIMEE.** Bronze, 35c.

**ALICE ROCKWOOD.** Pleasing shade of old rose, 25c.

**AMBER QUEEN.** Amber shaded with apricot, 25c.

**BABY MARIE OSBORNE.** An outstanding new canary yellow, 35c.

**CATHERINE.** A medium sized flower of rich golden yellow, 25c.

**CLARISSA.** Primrose yellow, 35c.

**COPPER.** A pleasing copper shade, 35c.

**DELICACY.** Silver phlox purple, tall growing and long stemmed, 25c.

**GRUSS AM WIEN.** Crushed strawberry, 25c.

**HAAKE'S GLOW.** Yellow base, tipped old rose, 35c.

**HELEN ANITA.** Lavender, shading to white at center, 25c.

**JEWEELTJE.** Miniature decorative, of light pink, 35c.

**JOE FETTI.** Fine pure white, 35c.

**JONKHEER VON CITTERS.** A striking combination of yellow tipped orange red, 25c.

**KATHLEEN.** Salmon rose, something different in color, 25c.

**LITTLE DAVID.** Deepest orange, very free flowering, 35c.

**LITTLE SWEETHEART.** Reddish center with white at tips, 35c.

**MARY MUNNS.** Mallow purple. One of our best, 50c.

**MIKE.** Orange red. Very lively. 50c.

**NELLY FRASER.** White ground, tipped rose, 35c.

**PIXY.** Yellow base, tipped Indian red. Very small. 35c.

**PRINCE CHARMING.** Lavender heavily tipped purple, 25c.

**TULLA.** Small and perfect. Color, rich bordeaux red. 35c.

**PRISCILLA.** Shell pink. Long stem and very prolific. 50c.

## Germain's New Giant Amaryllis

This is without question the largest and most beautiful strain of American Hybrid Amaryllis in existence. The huge flowers average over 8 inches in diameter and are composed of broad overlapping petals making broad, wide open blossoms of great beauty.

They appear in a marvelous range of mixed colors, many of them striped and variously marked, with red, rose, deep crimson and white predominating.

We offer only large bulbs 2½ to 3 inches in diameter which are sure to bloom this year.

**Price: Each 40c; 3 bulbs for $1.00; $3.75 per dozen.**

**CULTURE.** This amaryllis is evergreen, and requires a sunny or partially shaded place. The bulb should be planted with the top just below surface of the ground. The soil should be well spaded and adequately enriched with rotted manure or commercial fertilizer. Do not move them more often than necessary, as they thrive best when undisturbed for several seasons. They may be grown in pots very satisfactorily, making a beautiful plant for patio or porch decoration when in bloom.

## TUBEROUS ROOTED BEGONIAS

This splendid class of begonias is perhaps the handsomest of all bedding plants for a shady or semi-shaded location. They prefer a rich sandy loam, and should be covered to a depth of two or three inches. Ready about February 1st.

| Large Single | | Extra Double | |
|---|---|---|---|
| Crimson | Orange | Crimson | Orange |
| Scarlet | Yellow | Scarlet | Yellow |
| Pink | White | Pink | White |
| Single Mixed | | Extra Double Mixed | |
| 3 for 45c; $1.75 doz. | | 25c each; $2.50 doz. | |

## ISMENE CALATHINA

(Peruvian Daffodil)

Large, pure white, Amaryllis-like flowers of unusual appearance. Fragrant and beautiful. Culture same as Amaryllis. 15c each; $1.50 per dozen.

## TIGRIDIA

BIG SHELL TIGERFLOWER

**Tigridia Pavonia Grandiflora**—A splendid strain of this showy garden plant. The curious three-petaled flowers are very large and are wonderfully marked and spotted. They prefer a warm sunny spot and plenty of water while in active growth. Plant 4 to 6 inches apart and do not disturb until overcrowded.

**Four Bulbs 50c; $1.50 per dozen; $11.00 per 100**

## CALLA ELLIOTIANA

(The Yellow Calla Lily)

This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white. Flowering size, 20c each; $2.00 dozen. Large size, 30c each; $3.00 dozen. Mammoth size, 50c each; $5.00 dozen.

## HARDY GARDEN LILIES

**Auratum.** "Golden Banded Lily." Flowers white, spotted crimson with a distinct golden stripe running through each petal. 20c each; $2.00 dozen.

**Rubrum.** "The Red Lily of Japan." Carmine rose on white ground, spotted with crimson. The most showy of Japanese lilies for the garden and an excellent cut flower. 20c each; $2.00 dozen.

**Tigrinum.** "Tiger Lily," orange, spotted black, very showy. 20c each; $2.00 per dozen.

**Elegans Alice Wilson.** A lovely variety; finely shaped flowers of a deep, clear lemon color, with small spots. 25c each; $2.50 dozen.

**Elegans Incomparable.** An attractive, easily managed lily and handsome border plant. Flowers reddish apricot, spotted. 25c each; $2.50 dozen.

**Elegans Mixed.** A very beautiful group of showy Japanese lilies flowering in June and July. 25c each; $2.50 dozen.

**Japonicum (Krameri).** Color a beautiful clear pink, often shaded blush. Prefers a light loamy soil, containing some peat if possible. 25c each; $2.50 dozen.

**Henryi.** A very beautiful lily from central China often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. 20c each; $2.50 dozen.

**Tenuifolium** (Siberian Coral Lily). Highly recommended for massing, rock gardens, etc. The flowers deep scarlet and of a waxy texture. 25c each; $2.50 dozen.

**Special Lily Offer:** Germain's Special Collection of **Hardy Garden Lilies.** Ten selected fine varieties but not individually labeled for $2.00.

## TUBEROSE

**Double Pearl.** 3 for 25c; $1.00 dozen; $7.50 per 100.

**Mexican Everblooming Single.** Delightfully fragrant, very free flowering and of the easiest culture. 8c each; 75c dozen; $5.50 per 100.

## LILY OF THE VALLEY

**Convallonia Majalis.** Forcing pips — very easy to grow indoors in sand or in bulb fibre. In the garden plant in moist and shady place. 10c each; $1.00 dozen.

Tuberous Rooted Begonia

# GERMAIN'S VEGETABLE SEED

Since 1871 we have catered to the critical market garden trade. We have at all times offered only such varieties as were best adapted to the Great Southwest.

The following listing is composed of those varieties of vegetable seed that we consider the best for the market or home garden.

A great deal of experimenting and testing was necessary to complete this list and we only add to it when our trial shows that a new variety is worthy of a listing.

At our "Floravista Ranch" situated in the San Fernando Valley, we are continually testing and experimenting with old and new varieties. Hundreds of trials each year are completed so that we can offer to our customers the best the world affords. **Market gardeners and commercial growers are invited to write for special quotations.**

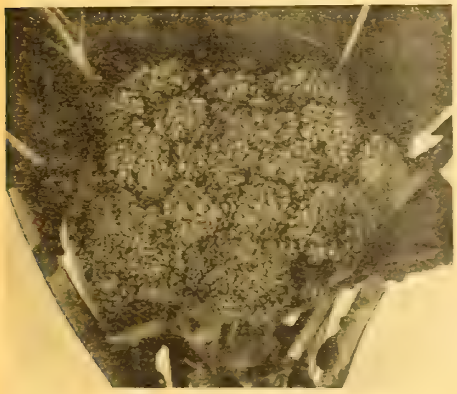
## ARTICHOKE

*Artichaut*, FR. *Articiocca*, ITAL.
*Alcachofa*, SP. *Artischoke*, GER.

**CULTURE.** Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted in beds an inch deep. Plant out when six inches high in rows four feet apart each way. We recommend your purchasing plants instead of seed as they produce the first year and come true to type. (See pages 103 and 106).

**LARGE GREEN GLOBE.** A highly prized product of our gardens and peculiarly a California product as practically the entire acreage grown in the United States comes from the counties in California bordering on the Pacific Ocean. Under these weather conditions it develops a hardy vigorous plant with sturdy flower stems that carry buds the size of a teacup, the succulent lower portion of which is the edible part which has pleasing flavor unlike any other vegetable.

The artichoke when once established produces for several years and a few plants in your garden will amply repay you. Pkt. 5c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00. Plants, page 106.



SPROUTING BROCCOLI

**GREEN SPROUTING (Glory of Calabria).** This variety was introduced in this country from Italy a few years ago and its unique and delicious flavor have brought it into the ranks of our most popular vegetables. The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild and delicate flavor having none of the distinct cabbage flavor so common in this family of plants. Plant between July and October. Pkt. 5c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

## ASPARAGUS

*Asperge*, FR. *Sparagio*, ITAL.
*Esparroges*, SP. *Spargel*, GER.

**CULTURE.** Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

**Note.** By planting two year old roots, much time and labor will be saved. See prices of roots, pages 103 and 106.

**MARY WASHINGTON.** This is a new rust resistant variety, produced by government experts and is the best asparagus now grown and is displacing the older varieties. Is particularly desirable on account of its earliness. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**PALMETTO** The best known and most popular of the standard varieties. Very desirable variety for home and market gardeners' use. The sprouts are green, and of delicious flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 80c.

**ARGENTEUIL.** Another standard variety used largely by canners. It is very productive and an excellent keeper. White in color with a purplish tinge, it has a delicious flavor. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $$1.00.

We can also furnish roots of all above varieties at 35c dozen or $2.50 per hundred.

| HEALTH PROPERTIES OF ASPARAGUS | |
|---|---|
| *Calories per lb. 100* | *Vitamins A, B* |
| *Proteins 1.8%* | *Carbohydrates 3.3%* |
| *Fats .2%* | *Calcium .025%* |
| *Iron .00096%* | |

## BROCCOLI

*Chou-Brocoli*, FR. *Broculi*, SP.
*Cavol Broccolo*, ITAL. *Spargel Kohl*, GER.

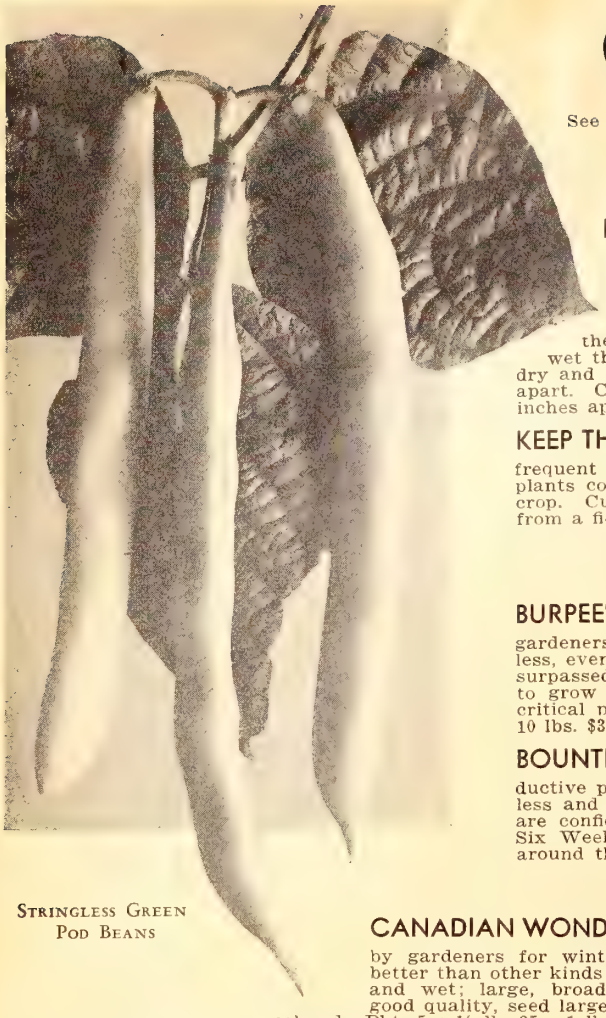
**Note**—Prices listed are postpaid.

**CULTURE.** Broccoli like the cauliflower is a cultivated variety of the wild cabbage which is grown for the sake of the head, which is similar to cauliflower though smaller. To secure broccoli at its best we advise growing your own and picking one hour before cooking. Culture the same as cauliflower.

**ST. VALENTINE.** The seed is planted from July to September and heads mature generally in March and April, being later than the late Cauliflowers. We believe this to be the finest of the Broccolis and recommend it both for the home garden and the shipping trade. This variety is grown commonly in Oregon and Washington for the eastern market. Pkt. 5c; oz. $1.50; ¼ lb. $3.75; 1 lb. $15.00.

MARY WASHINGTON ASPARAGUS

# GERMAIN'S BEANS



Stringless Green Pod Beans

See Field Seed Section for other varieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

## ALL PRICES ON THIS PAGE ARE POSTPAID

NOTE—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. If quantities desired write for special prices.

**CULTURE.** Beans respond very readily to good soil and cultivation. A light, rich, well-drained loam is the most desirable. The use of manure is advisable but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the young plants 3 to 6 inches apart in the row. If planted in hills about 2 feet apart each way.

**KEEP THEM COMING.** For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

## BEANS---DWARF OR BUSH, GREEN POD

*Haricots*, Fr. *Faginoli*, Ital. *Frijole*, Sp. *Bohnen*, Ger.

**BURPEE'S STRINGLESS GREEN POD.** Doubtless the best bean in its class and is used extensively by canners, market gardeners and in the home garden. It is early, vigorous in growth, entirely stringless, even when fully grown, pods 5 to 6 inches long, very thick and meaty and of unsurpassed quality. As our trade is large in this variety we have taken great pains to grow a fine, even, true to type strain that will prove satisfactory to the most critical planter. Seed medium size, yellowish brown. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**BOUNTIFUL.** Similar in appearance to Early Long Yellow Six Weeks but an improvement on this old standby in every way. A thrifty and productive plant with handsome pods six or seven inches in length, and entirely stringless and of finest quality, remaining in good condition for snaps much longer. We are confident you will be more than pleased with this new improved strain of the Six Weeks type. Seed medium size, kidney shape, light yellow, somewhat darker around the eye. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**CANADIAN WONDER.** A very hardy large plant used by gardeners for winter crops as they do better than other kinds when weather is cold and wet; large, broad, handsome pods of good quality, seed large, rather flat, carmine colored. Pkt. 5c; ½ lb. 25c; 1 lb. 35c; 10 lbs. $3.00.

Health Properties of Beans

*Calories per lb. 184*
*Proteins 2.3%*
*Fats .3%*
*Vitamins A, B, C*
*Carbohydrates 7.4%*
*Calcium .046%*
*Iron .00098%*

**EARLY REFUGEE.** A very good variety for the summer months. Pod is round, medium size, tender. Recommended for table or for canning. Plant from April to August. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**DWARF HORTICULTURAL.** A variety that can be used green or shelled and also be dried. Excellent flavor. Is very much relished by Italians. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**FRENCH MOHAWK.** An early prolific variety, pods long, oval. Seed large, kidney shape blotched with reddish brown. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.50.

**FULL MEASURE.** This excellent variety is fast becoming popular with our gardeners. Pods are somewhat like Stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless. We highly recommend this variety to our gardeners. Seed brown mottled. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

## BEANS BUSH, WAX POD

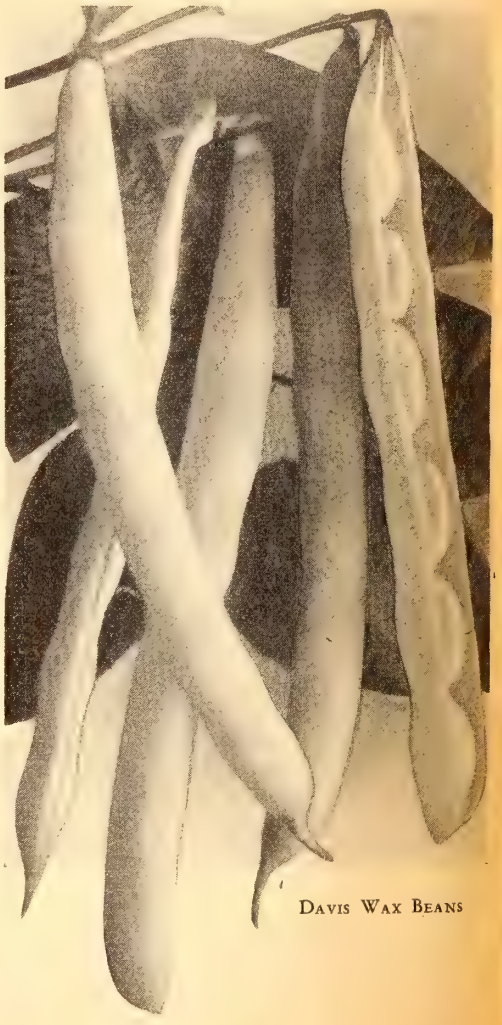
**DAVIS WAX OR VENTURA WONDER WAX.** One of the best of Wax podded sorts for home garden. Very vigorous and hardy and will thrive in warm location better than any other wax bean. Pods very long, handsome, straight, light yellow, crisp and tender when young.

Seed medium size kidney shape and pure white. Dry seed is as good in every way as the small whites for baked beans. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**GOLDEN WAX.** The best early wax pod. Plants medium size and very productive. Pods medium size flat and of best quality. Seed oval white with purple blotching around the eye. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**BLACK WAX.** A very superior variety, round podded. Medium early, bearing in about 52 days. Pods golden yellow, curved, stringless and brittle. They are tender and of excellent quality. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**NEW KIDNEY WAX. (BUTTER WAX).** A recent introduction that has become very popular with our market gardeners. It is a second early variety, plant vigorous, with a heavy setting of very attractive pods. Long, straight, round, a light wax-like yellow and of finest quality. Seed white, kidney shape, with dark blotch around the eye. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.



Davis Wax Beans

# GERMAIN'S BEANS

## BEANS POLE

**KENTUCKY WONDER.** This is the leading all around pole bean being used alike for home gardens, market gardens and canners. It is early, vigorous, of good climbing habit. Pods very large. 8 to 10 inches, bright green, round, fleshy and somewhat crooked and crumpled as they mature but keep in eating condition till fully grown.
A few plants of this variety will furnish your table with the best of snap beans for a good part of the summer. Seed long, oval, of a dull brown color. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**KENTUCKY WONDER WHITE SEEDED.** Largely used by local market gardeners as it has an abundance of large tender pods and is two weeks earlier than the Brown Seeded Kentucky Wonder. Seeds snow white when ripe and are good used as dry beans. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**KENTUCKY WONDER RUST RESISTANT.** A strain of Kentucky Wonder that is rust resistant, and should be planted in sections where beans are subject to rust. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**KENTUCKY WONDER WHITE SEEDED RUST RESISTANT.** The rust resistant strain of white seed Kentucky Wonder. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.
If your beans are subject to rust plant the Rust Resistant Strains.

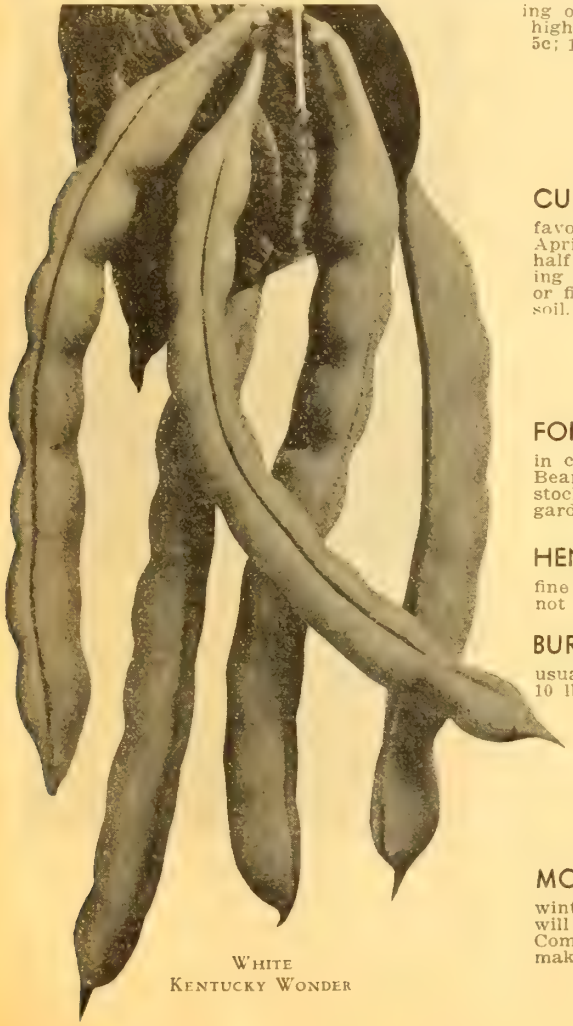
**KENTUCKY WONDER WAX.** An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow, broader and fully as good quality. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**ASPARAGUS OR YARD LONG.** An introduction from the Orient, very vigorous and productive with pods two feet or more long which are round, tender, of good quality. You will find it an interesting novelty and somewhat different in taste from other kinds. Seed reddish brown and very small. Pkt. 5c; 1 lb. 75c.

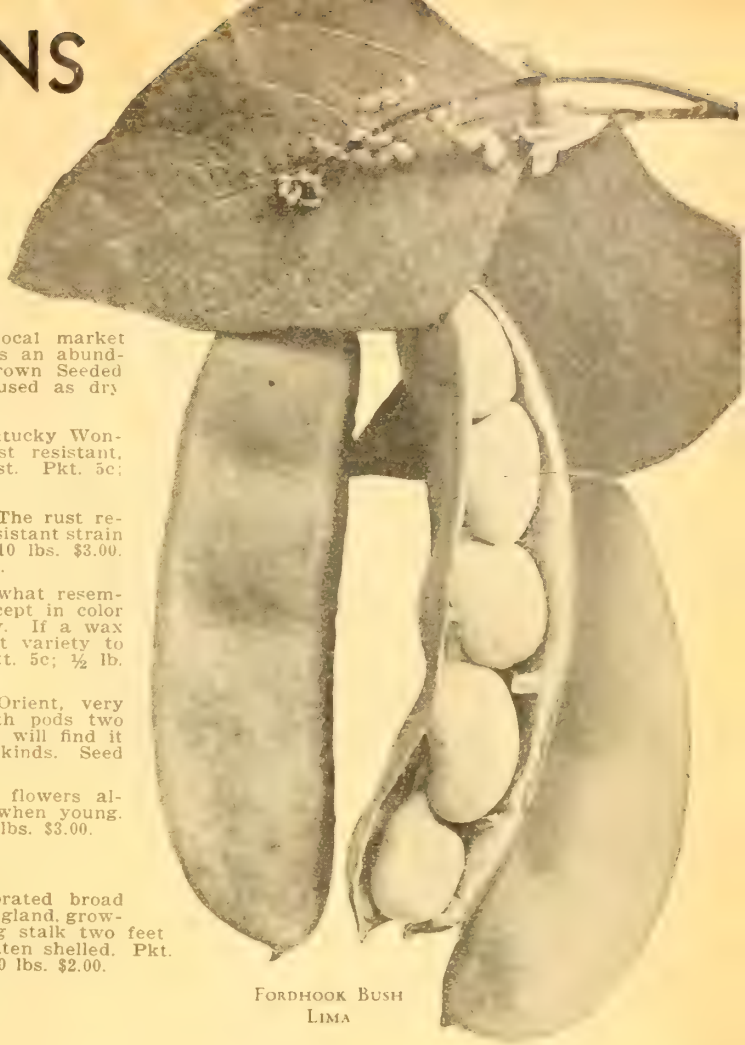
**SCARLET RUNNER.** Largely planted for its brilliant scarlet flowers although it is also good as a snap bean when young. May also be used green, shelled. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

## BROAD BEANS

**GERMAIN'S ENGLISH, OR BROAD WINDSOR.** The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled. Pkt. 5c; 1 lb. 25c; 10 lbs. $2.00.



WHITE KENTUCKY WONDER



FORDHOOK BUSH LIMA

## LIMA BEANS

**CULTURE.** Limas should be planted only in warm weather as the seed will rot in cold soil. Except in favored warm sections we do not recommend planting before April or May. Plant 2 inches deep in rows three and one-half feet apart and 1½ to 2½ feet apart in the rows according to variety. One pound of seed will plant a 100 foot row, or fifty pounds to the acre. Limas will thrive in any good soil.

HEALTH QUALITIES OF LIMA BEANS
*Calories per lb. 570*
*Proteins 7.1%*
*Fats .7%*
*Vitamins A, B*
*Carbohydrates 22.0%*
*Iron .0024%*

### BUSH VARIETIES

**FORDHOOK.** The best of the Bush Limas, sometimes called Butter Beans, grows a vigorous erect bush with large pods containing three to five beans, in clusters making picking easy.
Beans are large, very thick, white with a tinge of green and of finest quality. Our stock of this splendid variety is very superior and we highly recommend it for your garden. Pkt. 5c; ½ lb. 25c; 1 lb. 40c; 10 lbs. $3.50.

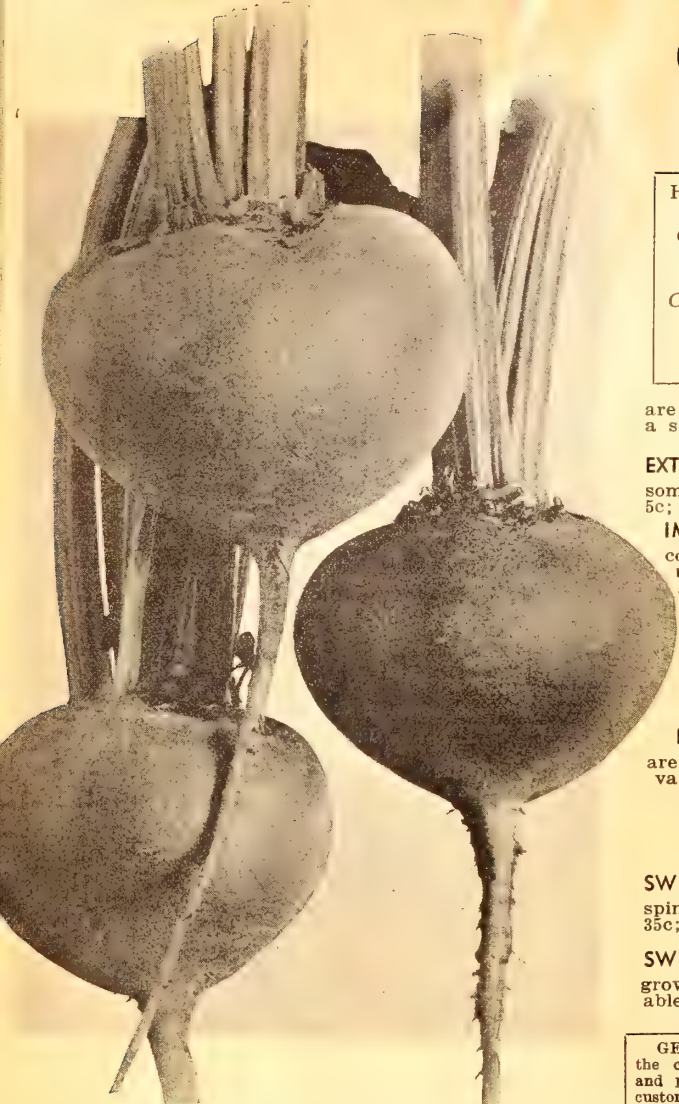
**HENDERSON'S BUSH LIMA OR BABY LIMA.** A very early and prolific variety. Beans small, flat and of fine quality. Can be grown in interior valleys, where the large seeded varieties do not thrive. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**BURPEE'S IMPROVED BUSH LIMA.** The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans of large size and excellent quality. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

### POLE VARIETIES

**KING OF THE GARDEN.** Perhaps the most popular of the Pole Limas, pods large and well filled with beans of excellent quality. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**MONSTROUS LIMA.** Differs from other varieties in that it continues to bear several successive crops. Planted in favorable location in early winter it will mature crop in the spring. If vines are pruned after crop is picked you will get a fall crop. Owing to their great size they are usually planted in hills 4x6 ft Coming at a season when other Limas are not in the market, they are a big money maker for the gardener. Pkt. 10c; ½ lb. 35c; 1 lb. 60c; 10 lbs. $5.50.



Improved Crosby's or Egyptian Wonder

# GERMAIN'S BEETS

*Betterave*, Fr. *Barbabietola*, Ital. *Remolacha*, Sp. *Rube*, Ger.

Note—Prices listed are postpaid.

| Health Properties of Beets |
|---|
| *Calories per lb. 209* |
| *Vitamins A, B, C* |
| *Proteins 2.3%* |
| *Carbohydrates 9.7%* |
| *Fats .1%* |
| *Calcium .029%* |
| *Iron .00085%* |

## TABLE BEETS

**CULTURE.** This is one of the few vegetables that can be grown the year around. A beet patch completes the garden. Seed planted at intervals of three weeks will keep beets coming in rotation. The seed should be sown in drills 15 inches apart and 1½ inches deep, and covered by hand unless following field culture. (The use of a rake for this purpose disturbs the seed and often draws the seed out of the ground. The result will be an irregular row.) Thin out then to 4 to 6 inches apart in the row. These young beet tops are excellent used as spinach. Frequent cultivation is essential to produce a successful crop. Most varieties of beets will mature in 50 to 55 days.

**EXTRA EARLY EGYPTIAN.** A splendid variety that matures sooner than any others. Tops small, roots small, dark red, somewhat flattened and of good quality. Plant it for first early crop. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**IMPROVED CROSBY OR EARLY WONDER.** As early and desirable as the original Crosby, and of better color, being less of the light zoning. Tops small, roots very smooth and uniform, making it an ideal beet for bunching. Our stock of this desirable variety is the best obtainable. Pkt. 5c; oz. 10c; ¼ lb. 40c; 1 lb. $1.25.

**DETROIT DARK RED.** The best general purpose variety on the list. Not quite so early as Egyptian, but of finest quality. Roots medium size, nearly round and dark blood red color with no light zoning, making it especially desirable for canning and equally good for home use or bunching for the market. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. $1.35.

**BLOOD TURNIP IMPROVED.** A very fine strain; requires a longer time to mature than Detroit Dark Red. Roots are dark red round, and flesh is a deep red with lighter zoning. This variety is sweet, crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 40c; 1 lb. $1.25.

# SWISS CHARD

**SWISS CHARD, OR SILVER.** Cultivated for its leakstalks, which are served like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**SWISS CHARD LUCULLUS.** Leaves very crinkled of an attractive light green color and very thick and fleshy. Easily grown and furnishes a supply of good greens for a long period. Very desirable for poultry feed. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

# BRUSSELS SPROUTS

*Chou de Bruxelles*, Fr. *Rosen Kohl*, Ger.
*Cavolo*, Ital. *Bretones de Bruselas*, Sp.

Note—Prices listed are postpaid.

**CULTURE.** Sow in September and October and treat same as Cabbage.

**GERMAIN'S HALF DWARF PARIS MARKET.** A half dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

GERMAIN'S seeds are planted the country over. We take pride and pleasure in knowing that our customers are obtaining the results that we claim for them.

"I ordered from your catalogue and had great success from each of the several seed assortments."—Edwin S. Ryce, **Pittsburgh, Pennsylvania.**

"Last year your seeds gave most excellent results in our garden here in Minnesota."—F. W. Bliss, Minneapolis, Minn.

"This repeat order should be evidence that we have had good results with your seed."—Chicago, Illinois.

# GERMAIN'S STOCK AND SUGAR BEETS

Note—Prices listed are postpaid.
Write for Quantity Prices.

**CULTURE.** Stock Beet seed should be sown about one inch deep, in well-cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre.

## VARIETIES

**MAMMOTH LONG RED.** There is no other root crop grown which produces so large a tonnage per acre as the Mammoth Long Red Beet. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for our own trade from selected well-shaped roots. This Beet has a distinct appearance; roots are massive, straight and uniform in size, broad shouldered, free from coarseness and of most excellent feeding and keeping qualities. Pkt. 5c; 1 lb. 75c; 10-lb. lots $7.00, postpaid.

**GIANT HALF SUGAR ROSE.** This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel. It is a cross between a sugar beet and a regular mangel wurzel, therefore its name. It is also a splendid yielder and good keeper. Pkt. 5c; 1 lb. 75c; 10-lb. lots $7.00, postpaid.

**GOLDEN TANKARD.** This is also a very popular variety. The roots are large, but filled out at top and bottom, terminating with a small tap root; flesh deep golden yellow, solid, crisp, sweet and rich. Does not keep quite as well as the two above mentioned varieties. Pkt. 5c; 1 lb. 75c; 10-lb. lots $7.00, postpaid.

## SUGAR BEETS

This variety can be planted for stock food purposes. The tonnage per acre will not be as great as above mentioned varieties, but the sugar content will be much higher. Pkt. 5c; 1 lb. 75c; 10-lb. lots $7.00, postpaid.

Swiss Chard or Silver

# GERMAIN'S CABBAGE

*Repotto*, Sp. *Kohl-Kraut*, Ger. *Chou pomme*, Fr. *Cavolo*, Ital.

Cabbage Copenhagen Market

| Health Properties of Cabbage |
|---|
| *Calories per lb. 145* |
| *Proteins 1.6%* |
| *Fats .2%* |
| *Vitamins A, B, C* |
| *Carbohydrates 5.6%* |
| *Calcium .045%* |
| *Iron .00043%* |

**CULTURE.** Knowing the first essential of successful cabbage growing to be good seed, we have always obtained our seed from the finest European seed growers, and therefore we have built up an enviable reputation for the quality of our seed. We advise the planting of seed in beds or land of light, rich texture at a depth not to exceed ½-inch; and the soil should be pressed firmly over the seed. The plants should not be allowed to crowd one another before they are transplanted, but as soon as large enough to be handled should be lifted out to their permanent place. For early varieties, such as Winnigstadt, plant in rows 2½ feet apart, plants 1 foot apart in the row. The larger headed varieties, 1½ feet apart in the row. For the permanent field, soil of a firm, stiff, rich nature is preferred. Immediately after transplanting, the plants should be watered and constant, deep cultivation is very essential. Sudden changes of temperature have a tendency to make cabbage go to seed and growers should watch them carefully to see that their field is moist but properly drained. Cabbage may be planted throughout the year in the southwest. Four ounces of seed will plant one acre.

**COPENHAGEN MARKET.** This cabbage is the leader in the round headed varieties and is the most desirable all purpose cabbage we list. For earliness, sure heading, uniformity in size and shape and superior quality, it easily takes first place. Matures in about 66 days, heads weigh about 4 lbs. Our stock is carefully selected with the view of inducing our customers to plant this splendid variety year after year. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**EARLY WINNIGSTADT.** Though an old variety, Winnigstadt is still the leader in the pointed headed list being early, very hard, sure heading and of superior quality. Matures in about 77 days, heads weigh about 5 lbs. Our stock is from the best sources carefully selected and will give entire satisfaction for the home garden, market gardener, or shipper. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

**DANISH BALL HEAD.** Undoubtedly the best of the late cabbages. Is planted in August and September and matures in the early spring. Produces very solid, large, globe shaped and slightly flattened heads. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**EARLY FLAT DUTCH.** Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather. Matures in 71 days, heads round and weigh about 5 lbs. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

**LATE FLAT DUTCH.** A low-growing variety; heads large, weighing 12 to 14 pounds, bluish green, round, broad and flat on top; an excellent fall and winter variety; good keeper. Matures in 105 days. Pkt. 5c; oz. 20c; ¼ lb. 75c; 1 lb. $2.25.

**DRUMHEAD SAVOY.** Is a heavy producer, has crumpled, deep and rich green leaves. Heads are globe-shaped and large and mature in about 85 days. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**RED DUTCH OR PICKLING.** Fine solid dark red heads very desirable where a red cabbage is wanted. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

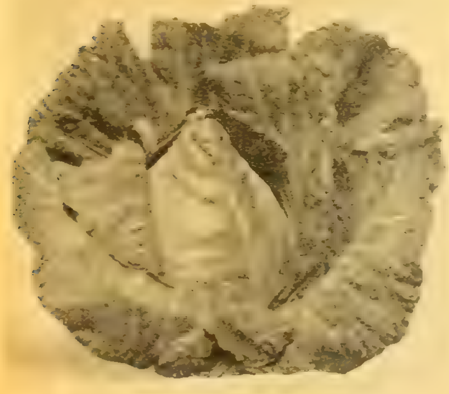
**GOLDEN ACRE CABBAGE.** One of the earliest varieties of cabbage, maturing in 62 to 64 days. It is dwarf in habit; resembles the Copenhagen Market Cabbage but smaller heads, averaging 2½ to 3 pounds in weight. Due to its small size it can be planted 12 to 14 inches apart in the row, and at this rate about 15,000 plants are required for one acre. Germain strain of Golden Acre Cabbage is grown under ideal conditions and we are therefore in a position to furnish our customers with the highest quality possible to be obtained. Pkt. 5c; oz. 35c; ¼ lb. $1.20; 1 lb. $3.50.

**CANNONBALL.** A round headed variety, highly recommended by us for August and September planting. An excellent shipper. Our stock is unsurpassed. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**EARLY JERSEY WAKEFIELD.** An excellent variety. A sure header. We recommend it for the home gardener. Matures in about sixty days after transplanting. The heads are conical in shape; seven to eight inches high and about five inches in diameter and weigh about two to two and a half pounds each. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

### MARKET GARDENERS!

Please write us and ask for our Market Garden Prices on larger quantities. We are headquarters for sprayers, insecticides and are always glad to furnish you with information.



Cabbage Winnigstadt

## CHINESE CABBAGE

### Chinese White or Wong Bok

**CHINESE WHITE.** A valuable contribution to our list from China where it has been grown for centuries. Habit of growth like Cos-Lettuce, seed sown in rows, 30 inches apart and thinned to 12 to 15 inches in rows. Outer leaves delicate light green, inner leaves blanched to a creamy white, delicate and fine flavored either as salad or cooked like ordinary cabbage. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

### HOME GARDENERS!

In order to have Cabbage the year around we suggest your planting Golden Acre (extra early), Early Winnigstadt (early), Copenhagen Market (medium), Late Flat Dutch (late).

Cabbage Chinese Wong Bok

Celery Golden Self Blanching

# GERMAIN'S CELERY

*Celeri*, Fr. *Sedano, Apio*, Ital. *Apio*, Sp. *Bleich Sellerie*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows three feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

**GOLDEN SELF BLANCHING FRENCH GROWN. OLD STRAIN.** For years this has been the leading variety of celery grown, and thousands of carloads are shipped out of California each year. It produces a rather short blocky head of finest quality, blanches easily to a beautiful golden yellow and especially on very rich land is still in great demand by our growers. Pkt. 5c; oz. $1.00; ¼ lb. $3.35; 1 lb. $10.00.

**GOLDEN SELF BLANCHING FRENCH GROWN. NEW TYPE.** A late development of the original strain which grows taller. Takes a little longer to mature but produces wonderful crops of finest quality celery. Our stock is imported from the best French sources and put up in original sealed bags for the further protection of our customers. Pkt. 5c; oz. $1.00; ¼ lb. $3.35; 1 lb. $10.00.

**GOLDEN SELF BLANCHING, CALIFORNIA GROWN.** Much like the new type French, and considered by many growers of equal quality. Pkt. 5c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00.

**WHITE PLUME.** A very early variety of attractive appearance and good quality valuable where earliness is desired. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

Health Properties of Celery

*Calories per lb. 84;*

*Vitamins A, B;*

*Proteins 1.1%;*

*Carbohydrates 3.3%;*

*Fats .1%;*

*Calcium .078%;*

*Iron .00062%.*

SPACING AND NUMBER PLANTS PER ACRE

| Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre |
|---|---|---|---|
| 3 by 4 in. | 522,720 | 6 by 7 ft. | 1,031 |
| 4 by 4 in. | 392,040 | 6 by 8 ft. | 907 |
| 6 by 6 in. | 174,240 | 6 by 9 ft. | 806 |
| 1 by 1 ft. | 43,560 | 6 by 10 ft. | 726 |
| 1 ½ by 1 ½ ft. | 19,360 | 7 by 7 ft. | 888 |
| 2 by 1 ft. | 21,780 | 8 by 8 ft. | 680 |
| 2 by 2 ft. | 10,890 | 9 by 9 ft. | 537 |
| 2 ½ by 2 ½ ft. | 6,960 | 10 by 10 ft. | 435 |
| 3 by 1 ft. | 14,520 | 11 by 11 ft. | 360 |
| 3 by 2 ft. | 7,260 | 12 by 12 ft. | 302 |
| 3 by 3 ft. | 4,840 | 14 by 14 ft. | 222 |
| 3 ½ by 3 ½ ft. | 3,555 | 15 by 15 ft. | 193 |
| 4 by 1 ft. | 10,890 | 16 by 16 ft. | 170 |
| 4 by 2 ft. | 5,445 | 16 ½ by 16 ½ ft. | 160 |
| 4 by 3 ft. | 3,630 | 17 by 17 ft. | 150 |
| 4 by 4 ft. | 2,722 | 18 by 18 ft. | 134 |
| 4 ½ by 4 ½ ft. | 2,150 | 19 by 19 ft. | 120 |
| 5 by 1 ft. | 18,712 | 20 by 20 ft. | 108 |
| 5 by 2 ft. | 4,356 | 25 by 25 ft. | 69 |
| 5 by 3 ft. | 2 904 | 30 by 30 ft. | 48 |
| 5 by 4 ft. | 2,178 | 33 by 33 ft. | 40 |
| 5 by 5 ft. | 1,742 | 40 by 40 ft. | 27 |
| 5 ½ by 5 ½ ft. | 1,440 | 50 by 50 ft. | 17 |
| 6 by 6 ft. | 1,200 | 60 by 60 ft. | 12 |
| 6 ½ by 6 ½ ft. | 1,031 | 66 by 66 ft. | 10 |

# GERMAIN'S CAULIFLOWER

*Coliflor*, Sp. *Chou-fleur*, Fr. *Blumenkohl*, Ger. *Cavol-fiore*, Ital.

**Note**—Prices listed are postpaid.

**CULTURE.** Prepare the seed-bed carefully, using only rich and thoroughly pulverized soil. Good results are obtained by keeping the plant in a healthy and rapidly growing condition. Broadcast the seed in the seed-bed prepared, sowing the early varieties from May 15th to July 1st; medium early varieties May 20th to July 5th; and late varieties any time from June 25th to Aug. 25th inclusive. When the plants are 40 days old, they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Do not leave plants in the hot-bed over 45 days as the stems become hard and poor results follow. Keep the plants vigorous and growing.

Due to different localities requiring a different time of planting of Cauliflower, we advise your writing us for specific planting information, which we will be glad to give.

**EARLY SNOWBALL.** It is a snow-white Cauliflower and its leaves have a tendency to over-lap at the top of the flowers. In this way, it protects from injury, exposure to frost, rain or heat. It is very essential that good cauliflower be so protected on account of shipping, and in this, our strain is perfect. Our market garden trade is immensely pleased with this strain and our business on it has grown to very large proportions. Pkt. 5c; ¼ oz. 85c; 1 oz. $2.50; ¼ lb. $6.25; 1 lb. $25.00.

**GERMAIN'S MEDIUM PEARL** Plant from May twentieth to July fifth. This is the money-maker for the market grower as it becomes ready for the market at the time when prices are best. Pkt. 5c; ¼ oz. 65c; 1 oz. $2.00; ¼ lb. $6.65; 1 lb. $20.00.

**GERMAIN'S LATE PEARL.** Here we have a distinctive type which should be planted June 25th to August 25th. This is a taller plant than the other type as it grows to a height of three feet or more. It should be planted two feet apart in rows three feet apart. Price Pkt. 5c; ¼ oz. 65c; 1 oz. $2.00; ¼ lb. $6.65; 1 lb. $20.00.

Health Properties of Cauliflower

*Calories per lb. 139; Vitamins A, B, C; Proteins 1.8%; Carbohydrates 4.7%; Fats .5%; Calcium .123%; Iron .00094%.*

Cauliflower Early Snowball

Danvers Half Long

# GERMAIN'S CARROTS

*Carotte*, Fr. *Carota*, Ital. *Moehre*, Ger. *Zanahoria*, Sp.

**Note**—Prices listed are postpaid.

Health Properties of Carrots

*Calories per lb. 204; Vitamins A, B, C; Proteins 1.1%; Carbohydrates 9.3%; Fats .2%; Calcium .056%. Iron .00064%.*

**CULTURE.** Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

**FRENCH FORCING.** An excellent variety for the home garden and early market. It is reddish orange in color, small and globe shaped and of excellent quality. This is the earliest of the Carrots and will produce roots in about 60 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**CHANTENAY.** The best of the early carrots, about 6 inches long, stump rooted, smooth, fine grained and sweet; a fine sort for bunching, for market, or for home gardens This variety is deep orange in color, a heavy yielder and has a growing period of about 70 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**DANVERS HALFLONG.** Within the last few years the growing of carrots in large acreage for shipment to eastern markets has grown by leaps and bounds and most of the hundreds of carloads shipped are Danvers Halflong. To be chosen for such a purpose proves they are the right size, the right color and the right quality. None better for home gardens. It is very productive, flesh bright orange in color and very tender, six to seven inches long, about 1¾ inches thick and tapered. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**LONG ORANGE.** A very heavy producer on light porous soils. It is a large variety ten to twelve inches long, two inches across at the top, tapered and pointed. Produces in about 85 days. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**OXHEART.** A short. thick variety, the best to plant on heavy soil where it can be easily lifted. A very heavy yielder and excellent quality. Roots are scarlet-orange in color, about five inches in length, and are ready for the table about 75 days after planting. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**IMPERATOR.** A new introduction sure to be one of the best selling varieties. In appearance, it is sleek, seven to eight inches in length with round shoulders, allowing it to bunch well. Its color is a deep orange and its core is very indistinct. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**WHITE BELGIAN.** A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed. it will yield as much as 40 tons per acre. Roots are seven to eight inches long, three inches across at the top, tapered and pointed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**YELLOW BELGIAN.** Same as the White Belgian except that the color is light orange and its keeping qualities are perhaps not quite as good. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

## CHICORY

*Chicoree*, Fr. *Cicoria*, Ital. *Achicoria*, Sp. *Chicorie*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow any time except in hottest weather, though early spring is preferable, in rows thirty inches apart and three or eight inches apart in row. A deep-rooting plant requiring little care if soil is moist.

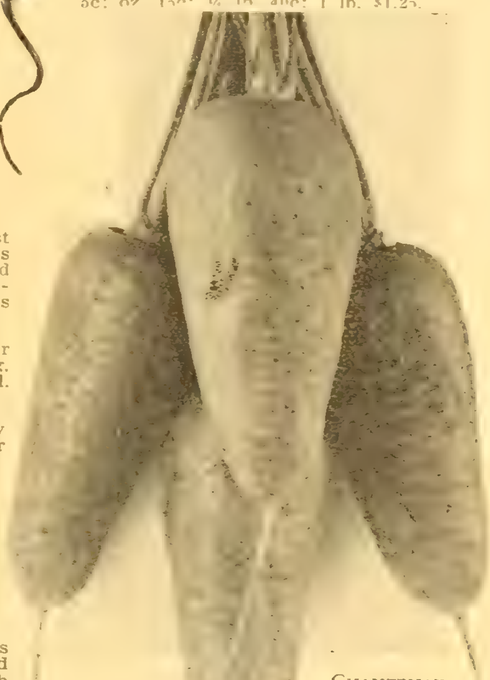
**RADICHETTA (Italian Chicory).** Grown for its long, narrow leaves which make a delicious salad. Pkt. 5c; oz. 50c; ¼ lb. $1.50; 1 lb. $4.50.

**LARGE ROOTED MAGDEBURG.** This variety is grown for its roots, which are dried or roasted and ground as a substitute or adulterant for coffee. The leaves can also be used and should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**WITLOOF OR FRENCH ENDIVE.** Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills thirty inches apart and the seedlings should be thinned out to stand not closer than 8 inches.

In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing.

The roots should be planted upright about 1½ to 2 inches apart in a trench 16 to 18 inches deep. This brings the neck of the root within 9 inches of the level of the surface of the trench, which should be filled with light soil. It requires about one month to force the root. The heads are then cut off with a small portion of the neck of the root attached. We recommend this vegetable to those who enjoy a salad of exceptional flavor. It can be easily grown if these directions are carefully followed. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.



Chantenay

## CELERIAC

*Celeri-rave*, Fr. *Apio-naba*, Sp. *Sedano-rapa*, Ital. *Knollen Sellerie*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** It is grown in nearly the same way as common celery and like this vegetable, requires good rich, moist, mellow, and well-manured soil. It is generally sown in seed beds in February and can be planted until May. When about 4 to 6 inches high the plants should be removed from seed bed and planted 6 inches in the rows and the rows should be about 24 inches apart. Plants require no further attention than frequent watering and it is necessary to have the ground well cultivated and free from weeds.

**CELERIAC, LARGE, SMOOTH PRAGUE.** It is a turnip-rooted celery of distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

## COLLARDS

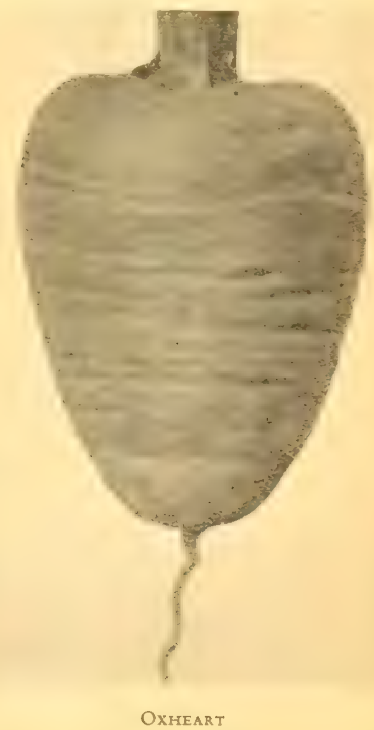
*Chou Coba*, Fr. *Cavolo Verde*, Ital. *Cabu*, Sp. *Futterkohl*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** A plant similar to cabbage. It does not, however, produce a head, the central leaves often forming a loose rosette.

They are tender and used as a pot herb like kale. They are also desirable as greens for poultry or rabbits. The same culture is applied as to cabbage, except spacing; plant 15 inches apart in rows 3 feet apart when in field.

**TRUE GEORGIA.** A strong growing variety with light green leaves. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.



Oxheart

# GERMAIN'S SWEET CORN

OREGON EVERGREEN

*Mais*, FR. *Grano turco*, ITAL. *Maiz*, SP.
*Zucher Mais*, GER.

All prices on this page are postpaid.

**CULTURE.** Sweet corn should not be planted until in the spring when all danger of frost is past. The soil preferred is one rich and moist. Corn is not a lazy man's crop, as continual cultivation is necessary.
Plant in hills 18 inches apart with rows 3 feet apart. Three or four seeds may be planted in each hill but not more than two allowed to stand. As "suckers" or excess shoots appear they should be removed as they take strength from the mother plant. Whenever soil presents an appearance of drying, irrigate.
For corn ear worm, dust with Dry Arsenate of Lead as soon as the silk begins to show on the corn, dusting the silk thoroughly.
Dry Arsenate is used by mixing from two to four ounces of arsenate of lead to one pound of flour or hydrated lime.
Prices: 1 lb. pkg. 40c; 4 lb. pkg. $1.00. Express only.

**Note**—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired do not fail to write for special prices.

**EARLY ADAMS.** Used largely for early corn as it is very hardy, resists cold weather, and matures quickly. Is tender and of good quality. Can be grown successfully in the hot valleys. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**GOLDEN BANTAM.** This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c; ½ lb. 25c; 1 lb. 45c; 10 lbs. $4.00.

**GOLDEN GIANT.** We introduced this splendid variety a few years ago and it has sold beyond our expectations and is rapidly becoming a favorite.
The plant is sturdy and vigorous with usually two fine symmetrical 12-rowed ears with a heavy husk. It is fully a week earlier than Oregon Evergreen with the tender luscious melting quality of Golden Bantam, which makes it not only an ideal corn to plant for the home garden but it is making a place for itself among market gardeners.
Do not fail to try Golden Giant as it is of Golden Bantam quality, is earlier than other main crop varieties, and a heavy producer. Price, pkt. 5c; ½ lb. 25c; 1 lb. 45c; 10 lbs. $4.00.

**BLACK MEXICAN.** Regarded by many as the best second early sweet corn, very sweet and tender. Ears are white when in eating condition turning black as it matures. Pkt. 5c; ½ lb. 25c; 1 lb. 45c; 10 lbs. $4.00.

**EARLY ALAMEDA.** Very early dwarf type, growing about four to five feet tall. Corn of good quality. Recommended for early market. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

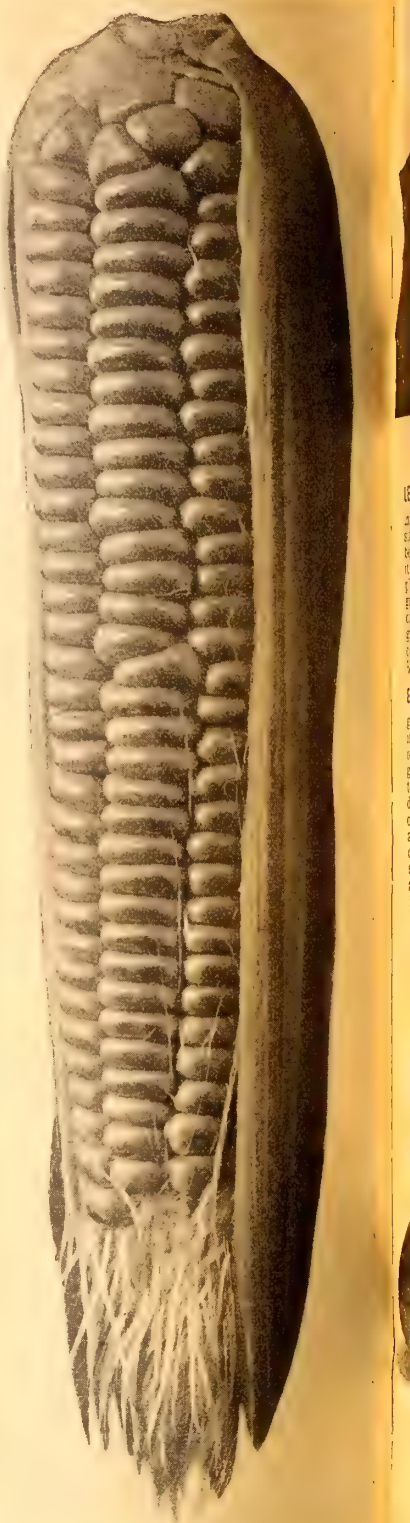
**OREGON EVERGREEN.** We sell each year more Oregon Evergreen Sweet Corn Seed than all other Sweet Corns combined and its use is increasing each year showing it is firmly established as the favorite variety with planters generally. It is a main crop or second early variety, very vigorous and productive. Ears large and well filled to the tip with large delicious pearly white grains. We have selected a heavy tight husk which protects it from the corn ear worm. For a sure crop, high quality, heavy producer, plant our Oregon Evergreen. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**COUNTRY GENTLEMEN.** A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. Pkt. 5c; ½ lb. 30c; 1 lb. 50c; 10 lbs. $4.50.

**STOWELLS EVERGREEN.** Best for late corn. Ears large and of best quality. Pkt. 5c; ½ lb. 25c; 1 lb. 45c; 10 lbs. $4.00.

HEALTH PROPERTIES OF CORN

*Calories per lb. 470; Vitamins A, B, G; Proteins 3.1%; Carbohydrates 19.7%; Fats 1.1%; Iron .0008%.*



GOLDEN BANTAM

## POP CORN

Culture. Requires same care and culture as a sweet corn.

**QUEEN'S GOLDEN.** A large-eared and handsome yellow pop corn. Grains are large, pop perfectly white and are exceedingly tender. Plant grows about six feet high, and yields three or four ears to the stalk. 1 lb. 30c; 10 lbs. $2.50.

**WHITE RICE.** A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter; one pound to the stalk. 1 lb. 30c; 10 lbs. $2.50.

## CHIVES

*Cebelleto*, SP. *Schnittlauch*, GER. *Ciboulette*, FR.

**CULTURE.** The same methods of growing are used as for green onions. When the plant is about 2 inches high it should be transplanted to 3 inches apart in rows which are 12 inches apart. Grown for the young leaves which are produced freely from early spring throughout the summer. It is a perennial of continuous growth and as the leaves are cut away, new growth comes on. Flavor mild, resembling that of an onion; is used in soups and various other dishes if onion flavor is desired. Pkt. 5c; oz. $1.00.

# GERMAIN'S CUCUMBERS

Note—Prices listed are postpaid

*Concombre*, Fr. *Cetriolo*, Ital. *Pepino*, Sp. *Gurken*, Ger.

**Health Properties of Cucumbers**
*Calories per lb. 79*
*Vitamins A, B, C*
*Proteins .8%*
*Carbohydrates 3.1%*
*Fats .2%*
*Calcium .016%*
*Iron .00033%*

**CULTURE.** Cucumbers should not be planted until all danger of frost is over and the ground is warm. Cucumbers like all vine crops the seed is liable to rot unless proper conditions prevail.

Cucumbers should be grown in every garden, for slicing for the table and small fruits for pickling. In most sections two plantings can be made. First, as early as the weather permits, second, the latter part of July or first of August.

The early planting will produce cucumbers for table use and the late planting will give the best supply of young fruits for pickling purposes. Most varieties are ready for picking from 60 to 65 days after planting.

Sow 6 to 10 seed in hills 4 to 6 feet apart. After all danger of pests are removed and you are sure of your plants, thin, leaving the three strongest. Cucumbers enjoy a light, sandy, rich soil. They should be planted one inch deep. One ounce will plant 50 hills; 2 pounds, one acre.

Lemon Cucumber

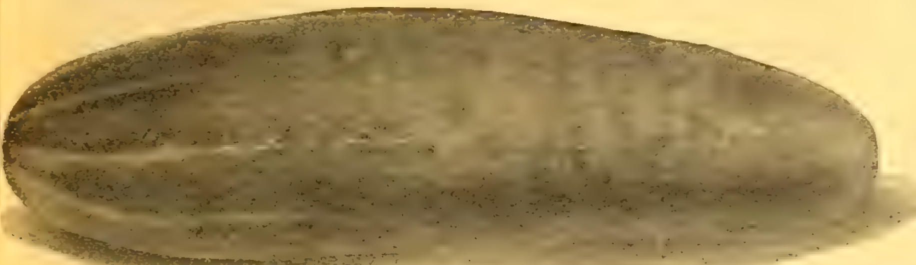
**LEMON.** This cucumber is quite distinct from most varieties as the name indicates; it is the size and shape of a good sized lemon, color creamy white when at its best eating condition which turns yellow as it ripens. Makes a distinctive and very fine pickle when small and is the finest cucumber grown for slicing being very crisp and delicate and never turning bitter. For your own garden plant Lemon for the finest slicing cucumber you can grow. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

**EARLY FORTUNE.** After careful and repeated trial in our trial grounds we are convinced that Early Fortune is the best all purpose main crop cucumber on our list, equally desirable for the home garden where a good quantity, crisp and tender cucumber is wanted or for shipping to distant markets. It is about 9 inches long of uniform diameter (2½ inches) making it an ideal shape to pack and carry nicely. The color is a deep attractive green with white spines. Seed cavity small, flesh very crisp and solid. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**BOSTON PICKLING.** An early pickling or slicing variety. Fruits weigh about 1½ lbs., 6 inches long and 2½ inches in diameter. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

**CHICAGO PICKLING.** Medium size and season good for pickles or slicing. Fruits about 6½ inches long and 2½ inches in diameter. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

Cucumber
Early Fortune



**DAVIS PERFECT.** A favorite with market gardeners and shippers. Long, slim and dark green, holding its color well to maturity. Fruits weigh about 2 lbs., are 10 inches long and 2½ inches in diameter. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**KLONDIKE.** Another good white spined variety medium length, very dark color and fine quality. Vine vigorous and productive. Fruits weigh about 1½ lbs., 7½ inches long and 2½ inches in diameter. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

**JAPANESE CLIMBING.** A very rampant grower good for trellis, fruits long deep russet, and of excellent quality, weigh 2 lbs., 8 to 9 inches long and 2½ inches in diameter. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**SALAD CUCUMBER.** An excellent variety for the home gardener and also for the market gardener. Very mild in flavor, attractive bright yellow in color, and 6 to 7 inches long. We advise giving this recent introduction a trial. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

Cucumber Klondike

**WEST INDIA GHERKIN.** Quite distinct from other cucumbers, vine resembles watermelon, fruits small (2 inches long, 1 inch in diameter), oval, used only for pickles when very small, very prolific. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**EARLY WHITE SPINE.** An early variety especially good for home growing. Fruit about seven inches long, cylindrical, medium green and very firm and crisp. A sure yielder and highly recommended. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

**IMPROVED LONG GREEN (Longfellow type).** One of the best for all purposes—fruits long and slender, seed cavity small, quality unequalled. In accordance with our policy to offer only the best improved types, we have selected this recent development which is far superior to the old Long Green strain. Fruits weigh 2¼ lbs., are 12 to 15 inches long and 2½ inches in diameter. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

## PROTECT YOUR CUCUMBERS BY USING HOTKAPS

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices. Prices: 1,000 for $10.25; 250 package with setter and tamper, $3.75; 100 package with setter and tamper, $2.50; steel setter, $1.50. Garden setter, 50c. Postage extra.

# GERMAIN'S EGG PLANT

*Aubergine*, Fr. *Berenjena*, Sp. *Petonciano*, Ital. *Eierfrucht*, Ger.

**Note**—Prices listed are postpaid

**CULTURE.** The plants should be started under glass if wanted early. If later results are desired, seed should be planted in cold frames or in boxes where special care can be given.
Egg plant seed is very delicate and will not grow unless special care is given it. It is easily affected by cold weather. Seed should be barely covered and particular attention should be given to have well-pulverized soil of rich composition. Moisture is an important factor and care should be taken to have the soil in beds or boxes moist, as any check to growth is exceedingly difficult to overcome and invites failure.
Plants should not be set out permanently until all danger of frost is over, using plants 6 to 8 inches tall of vigorous growth for setting in the field.
Space plants 3 feet apart each way and cultivate thoroughly throughout the season.

**NEW YORK IMPROVED.** None of this delicious vegetable has ever been brought to such a state of perfection as GERMAIN'S Strain of New York. An early variety, large, oval-shaped and the deep purple kind that tastes surprisingly like oysters when fried. It has an indescribably delicate and alluring flavor when stewed. This variety is a great producer, 50 to 60 pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness. Pkt. 5c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00.

HEALTH PROPERTIES OF EGG PLANT
*Calories per lb. 126; Vitamins A, B; Proteins 1.2%; Carbohydrates 5.1%; Fats .3%; Calcium .011%; Iron .00047%.*

NEW YORK IMPROVED EGG PLANT

## ENDIVE

**CULTURE.** Same as for lettuce.

**GREEN CURLED** makes a fine salad, especially for winter use. When ready for use outer leaves are green with the center of the head blanched to creamy white.
The use of this variety has increased greatly in the past few years and carloads are now shipped to Eastern markets. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**PANCALIER.** Another large variety differing in that ribs are tinged with pink, and foliage very dense. Excellent for salads. Price: Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**RUFFEC.** An excellent large variety. Plants 16 to 18 inches in diameter. Green, ribbed, curly leaves. Heart very crisp and bleaches to creamy white. A favorite variety for both market garden and shipping use. Price: Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**BROADLEAVED BATAVIAN.** Makes an excellent winter salad grown like lettuce and heads tied loosely for blanching; regarded by some as the best of the Endives. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

ENDIVE GREEN CURLED

## CRESS

### OR PEPPER GRASS

*Cresson*, Fr. *Agretto*, Ital.
*Berro o Mastuerzo*, Sp. *Garten Kresse*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** There are many kinds of cress, all characterized by a more or less pungent taste. They are used in salads and for garnishing dishes.
Water cress is grown in almost any ditch, shallow stream, or moist earth, and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.
Pepper grass or cress should be sown thickly in drills every few days if a succession is wanted. One ounce will sow 200 feet of row.

**FINE CURLED (Pepper Grass).** Grown very quickly from seeds sown thinly in drills. Leaves are finely curled and very ornamental but as the plant runs quickly to seed, frequent plantings should be made. The flavor resembles that of mustard. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

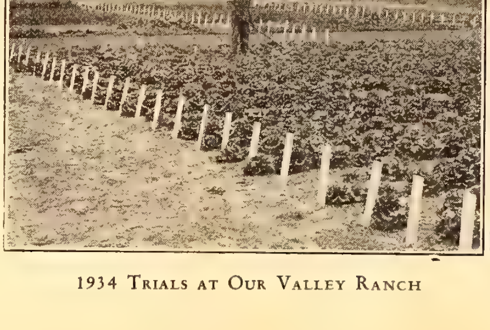
**WATER CRESS.** A heavy foliaged plant, adapted to water culture. It has a slightly pungent taste. Pkt. 5c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

## DANDELION

**Note**—Prices listed are postpaid.

**CULTURE.** It is used for greens and is much prized by epicures. Sow seeds in the spring in rows 1 foot apart and thin plants to stand 1 ft. apart in the row. Sandy loam soil is best suited.

**IMPROVED.** An early, large broad-leaved variety. Pkt. 5c; oz. 75c.



1934 TRIALS AT OUR VALLEY RANCH

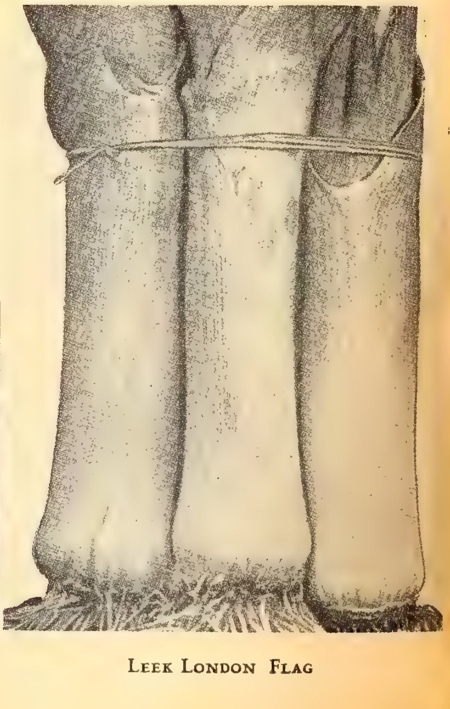
## LEEK

*Poireau*, Fr. *Puerro*, Sp.
*Porro*, Ital. *Lauch*, Ger.

**CULTURE.** Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb.
The necks or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 24 inches apart and the plants 6 inches apart.
Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when plants are about as thick as good sized goose quill they should be transplanted.

**LONDON FLAG.** A large and strong plant; hardy. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

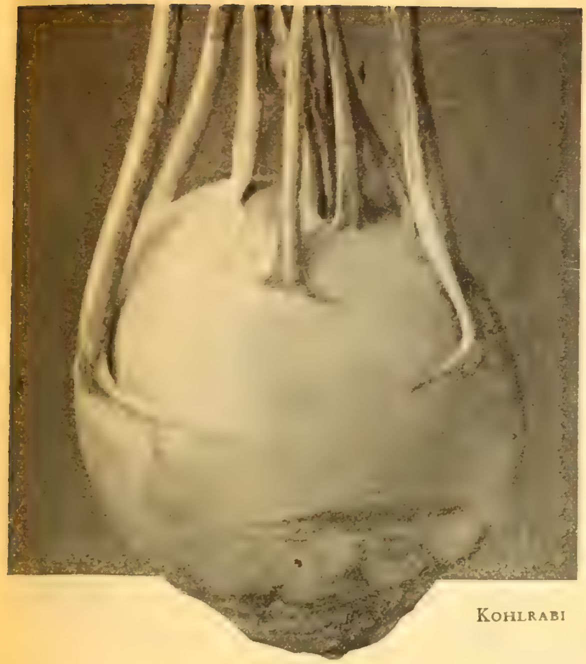
HEALTH PROPERTIES OF LEEK
*Calories per lb. 150* — *Vitamins A, B, C*
*Proteins 1.2%* — *Carbohydrates 5.0%*
*Fats 0.5%* — *Iron .00048%*



LEEK LONDON FLAG

# GERMAIN'S KOHLRABI

*Col de Nabo*, Sp. *Kohl-Rabi*, Ger. *Chou Rave*, Fr. *Cavolo rapa*, Ital.



Kohlrabi

Health Properties of Kohlrabi
*Calories per lb. 140*
*Vitamin C*
*Proteins 2.0%*
*Carbohydrates 5.5%*
*Fats .1%*
*Calcium .077%*
*Iron .00061%*

Health Properties of Kale
*Vitamin A*
*Iron .00254%*

**CULTURE.** This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like turnip and thin to six inches apart in row. One ounce seed will produce 2000 plants. Use when 2½ to 3 in. in diameter as it soon becomes woody.

**EARLY WHITE VIENNA.** Flesh white and tender. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**EARLY PURPLE VIENNA.** Bright purple in color. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

## HERBS

Pot, Sweet and Medicinal

Note.—Prices listed are postpaid. 5c per packet

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars. No order for garden seeds should fail to include them.

**Angelica Garden** (Archangelica officinalis).
**Anise** (Pimpinella anisum.
**Balm** (Melissa officinalis).
**Basil Sweet** (Borage officinalis).
**Borage** (Borage officinalis.
**Caraway** (Carum carui).
**Catnip** (Nepeta Cataria).
**Coriander** (Cariandrum sativum).
**Cumin** (Cuminum cyminum).
**Dill** (Anethum graveolens).
**Fennel, Sweet** (Foeniculum vulgare).
**Horehound** (Marrubium vulgare).
**Hyssop** (Hyssopus officinalis).
**Lavender** (Lavender vera).
**Marjoram, Sweet** (Origanum Majorana).
**Rosemary** (Rasmarinus officinalis).
**Rue** (Ruta graveolens).
**Saffron** (Carthamus tinctorius).
**Sage** (Salvia officinalis).
**Savory, Summer** (Satureja hortensis).
**Savory, Winter** (Satureja montana).
**Sorrel**
**Tansy** (Tanacetum vulgare).
**Thyme, Broad-Leaved** (Thymus vulgaris).
**Wormwood** (Artemista absinthium).

## KALE OR BORECOLE

*Chou Vert*, Fr. *Cavolo Verde*, Ital. *Breton*, Sp. *Blaetterkohl*, Ger.

**Note.**—Prices listed are postpaid.

**CULTURE.** This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are 6 inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size. If the tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply. This is also true of Jersey or Tree Kale. One ounce of seed will produce 4000 plants. 2 lbs. will plant an acre. Seed should be sown thinly in drills and plants reset 18 inches apart in rows 3 feet apart.

**DWARF CURLED SCOTCH.** Very hardy, excellent for spring use. This variety grows very close to the ground. The leaves are finely curled and are deep green in color. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**GREEN CURLED SCOTCH.** The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**THOUSAND HEADED OR JERSEY KALE.** An excellent food for poultry, an immense yielder. Crops are known to have gone as high as 60 tons of green feed per acre. Anyone having poultry should plant it. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

Seed should be planted in drills 3 feet apart and the plants transplanted when from 6 to 8 inches high. The plants should be set three feet apart each way.

They grow about 4 feet high with a wide spread of leaves and a single plant often weighs 30 to 40 pounds.

## GARLIC

Florence Fennel

**CULTURE.** Garlic is a perennial plant with a bulbous root and belongs to the onion family. It has flat leaves and the bulb is composed of several parts or bulbels similar to those of a multiplier onion set. Garlic has a strong, penetrating odor and flavor and is highly esteemed for flavoring soups, stews, etc. We cannot offer seeds but can supply the bulbs or sets.

Prepare the ground as for onions, separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull bulbs and dry in the shade.

**GARLIC SETS.** Per pound 40 cents postpaid. Write for prices when quantities are wanted

## FENNEL

**FLORENCE FENNEL (Sweet Anise).** Usually planted in the early fall in rows about 30 inches apart. Grown chiefly for the bulb which has a delicious and sweet flavor. Price: Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

Garlic

# GERMAIN'S LETTUCE

*Lechuga,* Sp. *Laitue,* Fr. *Lattuga,* Ital. *Lattich, Salat,* Ger.

Health Properties of Lettuce

*Calories per lb. 87*
*Vitamins A, B, C, G*
*Proteins 1.2%*
*Carbohydrates 2.9%*
*Fats .3%*
*Calcium .043%*
*Iron .001%*

**Note**—Prices listed are postpaid

**CULTURE.** A world wide grown vegetable because it can be quickly and easily grown. Is extremely palatable and very nutritious. Every garden deserves a lettuce plot. The quickest growing types are the loose leaf varieties, and we suggest for the home garden a plot of loose leaf and a bed of the heading type. The loose leaf varieties will have matured and be used up by the time the heading types are matured.

The looseleaf Lettuce does not form heads but where the plants are grown a distance apart they make a large rounded cluster of leaves. Leaves are heavily crumpled and attractive in appearance, crisp and tender. We advise the planting of two ounces of seed for a 150 foot row and if the lettuce is too thick, thin after it has attained a size which can be pulled and used for salad or it can be thinned out when young and transplanted to another section of the garden. Lettuce needs considerable moisture, applied often but not too heavily and plenty of cultivation to obtain best results.

**HEAD LETTUCE** is so called because of its extremely solid or compact formation. Such types as Los Angeles Market, New York, Big Boston and Iceberg, may be depended upon to satisfactorily mature a firm cabbage-like head.
Heading varieties should be sown the same as loose leaf except that they should by all means be thinned out when the fourth leaf appears leaving plants in the row 10 inches apart.
A rich pliable medium loam soil is best. In field planting, plant on ridges, 14 to 18 inches wide and in double rows about 12 inches apart, giving frequent irrigations between the ridges. Plant about 2 lbs. of seed per acre.

New York or Los Angeles Market

## HEAD LETTUCE

**NEW YORK OR LOS ANGELES MARKET.** There is grown in this state for shipment east upwards of fifty thousand acres of Lettuce, practically every acre of which is the New York type. Seldom is the consumption of any vegetable so entirely of one type as in the case of New York Lettuce.

This is due to its fine appearance, excellent quality and large percentage of perfect heads. Our stock is grown with greatest care and is not to be compared with some offered.
Plant our New York and obtain large, solid, crisp heads of the finest lettuce grown. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. $1.75; 5 lbs. $7.50; 10 lbs. $12.50.

**NEW YORK NO. 12.** A comparatively recent selection of the New York type, an early variety and does well in mid-summer. It is lighter in color than the regular New York and is popular with shippers and large growers. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. $1.75; 5 lbs. $7.50; 10 lbs. $12.50.

**ICEBERG.** An excellent summer lettuce producing a solid light green head with leaves tinged with red. The head is very large, white inside, crisp and sweet, but not as solid as the New York. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**IMPERIAL F.** One of the newer New York types developed for resistance to both brown blight and mildew. Used by some planters in California for both summer and spring planting. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. $1.75; 5 lbs. $7.50; 10 lbs. $12.50.

**BIG BOSTON.** A variety highly recommended for home gardeners. Sure header, medium size, outer leaves attractive green color tinged with brown. Heads are a crisp, fine buttery flavor. Be sure to plant this variety in your home garden. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**HANSON.** A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

## LOOSE LEAVED VARIETIES

**BLACK SEEDED SIMPSON.** A favorite among the loose leaved kinds, very crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**EARLY CURLED SIMPSON.** The best of early varieties of the loose leaved kinds; leaves light green, crisp, and fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**CHICKEN LETTUCE.** This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It absolutely does not head and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

### COS OR ROMAINE

**PARIS WHITE COS.** This variety makes a delicious, crisp sweet salad vegetable. The heads are about seven inches high, dark green on the outside but lighter green inside. Requires cool weather for best results and plants should be thinned to a distance of eight inches apart. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

# GERMAIN'S WATERMELONS

*Melon d' eau*, FR. *Cocomero*, ITAL. *Sandia*, SP. *Wasser Melone*, GER.

**Note**—Prices listed are postpaid.

CHILEAN DARK SEEDED

**CHILEAN DARK SEEDED.** The best of the early watermelons for the family supply or shipping to market. Is medium size, outer color a dark and light green stripe. The flesh is a very bright attractive red and can be eaten right down to the rind. Is very sweet and fine. Our stock will please the grower who caters to fancy trade, or the home gardener who is looking for an early melon of finest quality. Matures in 85 days and weighs about 18 lbs. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**CHILEAN WHITE SEEDED.** A medium size oval melon with dark and light green stripe. A fine melon in size and quality for the home garden. In size, maturity and in all respects except the color of the seed is identical to the Chilean Dark Seeded variety. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**EXCEL.** Preferred by some as a shipping melon on account of its large size, good shipping and heavy yielding qualities; long oval, mottled in two shades of green and has a good rind for long distance shipments. Average weight 35 lbs.; mature in 100 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**KLECKLEY SWEET.** A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Weighs about 30 lbs. and ripens in about 90 days. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**TOM WATSON.** A very large melon weighing 35 to 40 pounds, an excellent shipper. Skin is light green with darker green veins. The flesh is deliciously sweet and juicy. Ripens in 90 days. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**KING AND QUEEN.** Small, round, light colored with bright pink flesh of good quality, ripens late and can be kept for months. Weighs about 10 lbs. and ready for picking in 100 days. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**STONE MOUNTAIN.** A very large oval, round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Often weighs as much as sixty pounds and matures in 95 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**CITRON.** Don't allow citrons to grow near your watermelons, as they cross readily.

**RED SEEDED.** Small round fruits mottled light and dark green; used for preserves. Ripens late and keeps for months. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**GREEN SEEDED.** A large light green Citron with green seed, used for stock feed, and will grow more tons on poorer land than anything we know of. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

KING & QUEEN

**CULTURE.** The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inches in depth are prepared and 6 to 8 seeds are planted about 1½ inches deep every 10 feet in the furrow; furrows about 8 feet apart. This plant assumes a more rapid growth than Muskmelon, consequently more frequent cultivation and care must be given while the plants are young. As the plants grow in the furrow, fill in the soil about them so as to establish roots well into the deeper soil and when the plants are securely established pluck out all but two of the most hardy and healthy ones. The furrows in which the plants are growing want to be filled gradually as the plants grow until level with the surface, and then in early cultivating throw the soil towards the plant until a slight knoll or hill is formed.

In irrigating soak ground thoroughly and follow by cultivation as quickly as practicable, in order to keep a permanent mulch and maintain the moisture. Use one and one-half pounds of seed to an acre.

**KLONDIKE.** Is another monopolist as since its introduction it has grown in favor till it really well nigh monopolizes the California markets and is too, about the only variety now used by the shippers.
We have selected this melon to a dark seeded strain which with the bright red flesh gives it a very attractive appearance when cut.
We have this variety grown in an isolated locality where there is no danger of crossing, and select our seed with great care.
The sweetest, finest flavored melon grown and our stock is unsurpassed. Matures in eighty-seven days and weighs 25 pounds. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

**STRIPED KLONDIKE.** A new selection of the famous Klondike — now coming into some prominence. Size and shape are the same as the regular Klondike but it has white stripes on the outer rind. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00.

**ANGELENO WHITE SEEDED.** A fine quality early melon, nearly round, dark green; flesh bright red and fine quality. Is an excellent shipper, having an attractive, dark green rind, weighs 20 lbs. and matures in 90 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**ANGELENO BLACK SEEDED.** Much like white seeded Angeleno except in color of seed. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**GERMAIN'S GIANT WONDER.** (Our own introduction.) This is a melon of excellent flavor; solid meat of fine texture. The largest growing melon we know of and one that is very popular. Melons weigh thirty-five to forty pounds and mature in about 100 days. Pkt. 5c; oz. 20c; ¼ lb. 65c; 1 lb. $2.00

**YELLOW FLESHED ICE CREAM.** A large oval melon with yellow flesh of good quality Has a deliciously sweet flavor. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

KLONDIKE DARK SEEDED

# GERMAIN'S MUSKMELONS

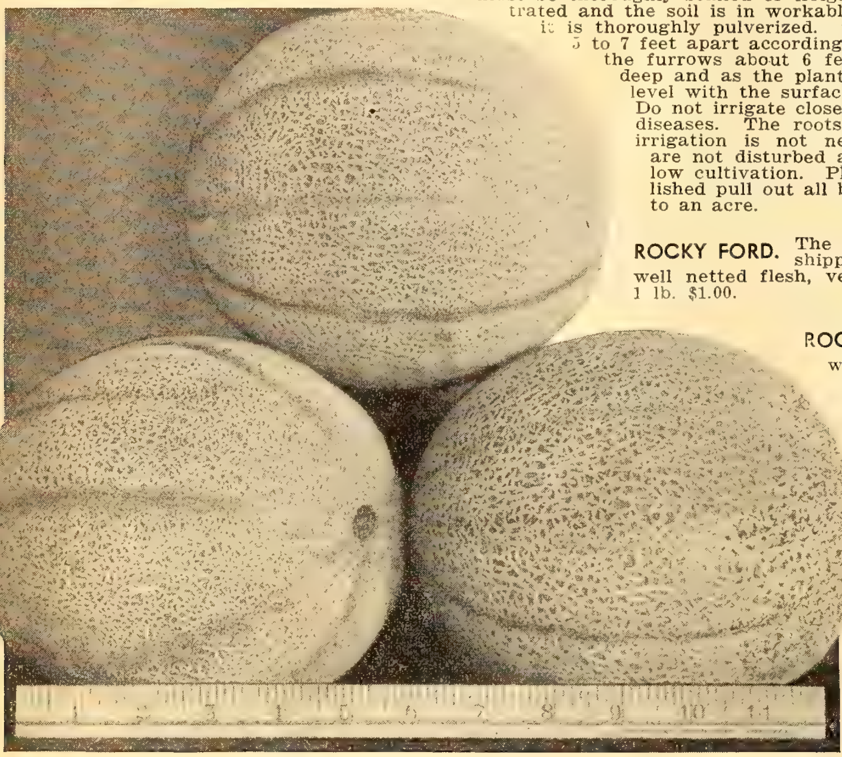
HEALTH PROPERTIES OF MUSKMELONS
*Calories per lb. 185*
*Vitamins A, B, C*
*Proteins .6%*
*Carbohydrates 9.3%*
*Iron .00039%*

*Melon Musca*, FR. *Popone*, ITAL. *Melon*, SP. *Melone*, GER.

**Note—Prices listed are postpaid.**

**CULTURE.** Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. Soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, when moisture has thoroughly penetrated and the soil is in workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow with soil until level with the surface.

Do not irrigate close to the plant as it will cause damping off and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary, and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. One and one-half pounds of seed is used to an acre.



HALES BEST

**ROCKY FORD.** The best of the green fleshed cantaloupe either for shippers or home garden. Medium size, early, oblong, well netted flesh, very sweet and spicy. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**ROCKY FORD NO. 1025.** This is the salmon fleshed type of the old reliable Rocky Ford which has been grown extensively both by shippers and private gardens. The fruits are medium size, closely netted with a thin though tough rind which stands long distance shipping, flesh a bright salmon, firm, sweet and juicy, cavity small. Round in shape, ripening in about 95 days. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**TIP TOP.** Is still a leading variety on the Los Angeles market where it has brought the grower top prices for years. It is an ideal melon for individual service so is a prime favorite with hotels and restaurants as well as private gardens. Is an early variety, ripening in 85 to 90 days. The shape is oval, about 7 or 8 inches long and the flesh is deep yellow, very thick and sweet. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**HONEY BALL.** A very popular melon in the Imperial Valley. It is a late season variety and is very prolific. Flesh is copper tinged with green. A good shipper. It is round in shape and ripens in 100 days. Our strain is very fine. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**HALES BEST.** The earliest of the Salmon Fleshed shippers, and now used more than any other variety for long distance shipping; it is also growing in favor with the market gardeners on account of its earliness, fine appearance and uniformly fine quality. Melons are almost round, about 6 inches long and heavily netted, and the seed cavity very small, thus providing a very thick, sweet pink flesh. This melon is very early, being edible in about 80 days. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**IMPROVED PERFECTO.** Another selection of the Salmon Fleshed shipping melon, and equally good for nearby markets. Has remarkably small seed cavity, flesh deep orange and of finest quality. This melon also has a very thick sweet flesh. It ripens in about 85 days, round in shape and about six inches in diameter. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**BURRELLS GEM.** Another of the Salmon Fleshed melons of fine quality and a little larger than the others. A fine home garden melon. Has a very small seed cavity, is oval in shape and about seven inches long, and ripens in about 90 days. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

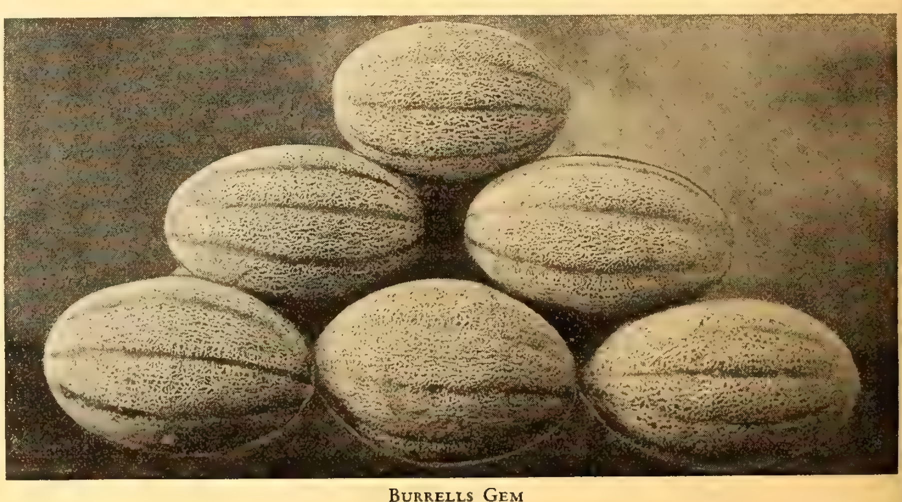
**PERSIAN.** This very large, well netted melon, weighing 8 to 10 lbs., has a very distinctive sweet flavor. The flesh is deep orange and very thick and juicy. It is an almost perfectly rounded melon measuring 8 to 12 inches in diameter, and ripens in about 102 days. This melon is popular among market gardeners and shippers and we recommend it to the home gardener. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**BABY PERSIAN.** A small type Persion Melon. Is uniform in size. Fruit is about six inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00

**ORIENTAL OR JAPANESE.** A salmon tinted flesh of a texture similar to a casaba. Said to be a cross between a Golden Casaba and Persian. A very tasty melon and we recommend it to market gardeners for local markets. Flesh is salmon colored and very sweet and the rind is thin, yellow-green in color with dark blotches. Pkt. 5c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

**INDIANA.** A heavily netted, yellow fleshed melon of delicious flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

GERMAIN'S PERSIAN



BURRELLS GEM

# GERMAIN'S HONEY DEW-CASABAS

**HONEY DEW.** A medium sized round melon of a dull creamy white color, flesh green, quite distinct and very delicious flavor. The rind is tough without netting, and ships well to distant markets. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**GOLDEN HONEY DEW.** In outward appearance like the Honey Dew, but has Salmon colored flesh and a delicious flavor. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

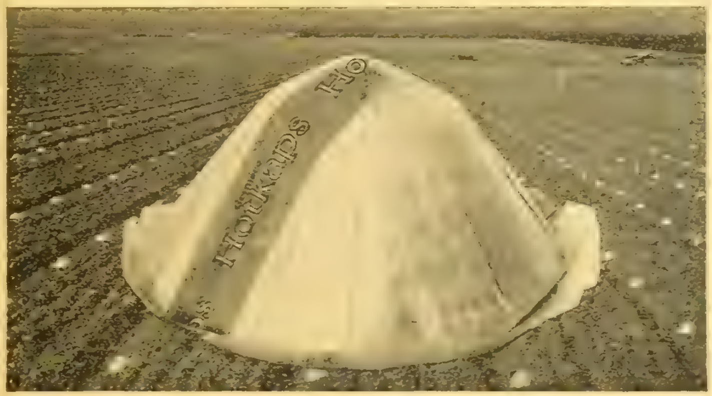
**GOLDEN BEAUTY.** This superior variety is rightly named, is of a true golden color and by far the most attractive of the Casabas. The outer skin is tough, allowing long distance shipping. In shape almost a globe with wrinkles or furrows running irregularly the length of it. Flesh very thick, juicy and sweet. The most profitable of the Casabas for the gardener. Can be kept for weeks after picking. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**IMPROVED HYBRID.** A large, rather late Casaba, very prolific and of finest quality. A favorite on the local markets. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**GOLDEN HYBRID.** A large melon, very prolific; similar to the Improved Hybrid except that it has a golden color. It can be planted early or late; has a delicious flavor and we recommend it very highly. Pkt. 5c; oz. 30c; ¼ lb. $1.00; 1 lb. $3.00.

**CASABA (Santa Claus).** We recommend this variety as probably one of the finest in the entire list of Casabas. It should be planted during the summer months, in June or July and will ripen in the fall and can be kept safely for several months, till Christmas time or even in January. It is a good keeper if properly stored and has an extremely delightful flavor. It is a long oval-shaped melon and is beautifully colored in yellow with blotches of dark green. Do not neglect to include this variety in your list. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

Honey Dew


## Use HOTKAPS for Earlier, Bigger, Safer Crops

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices. Prices: 1,000 for $10.25; 250 package with setter and tamper, $3.75; 100 package wtih setter and tamper, $2.50; steel setter, $1.50. Garden setter, 50c; Postage extra.


# MUSTARD

*Moutarde*, Fr. *Mostaza*, Sp. *Senapa*, Ital. *Senf*, Ger.

Note—Prices listed are postpaid

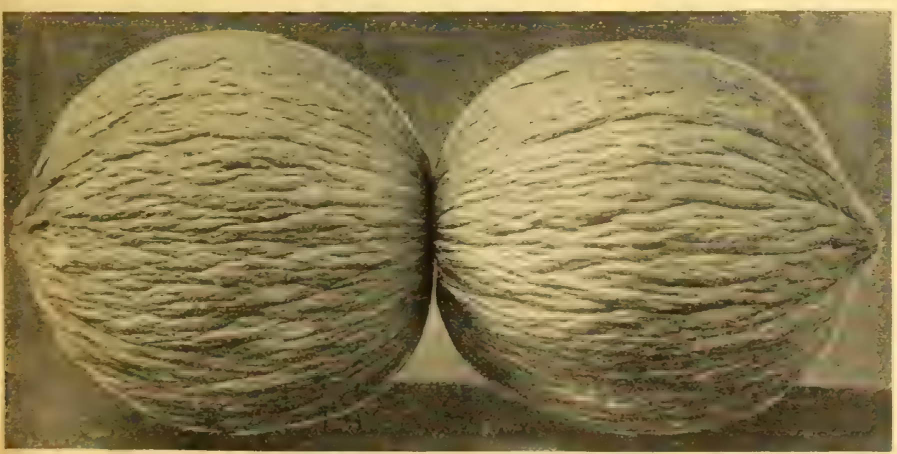
**CULTURE.** Sow any time in the year, though autumn sowing brings best greens for mustard likes cool weather. Not particular as to soil, though a medium heavy one is best. Seed should be planted in rows eighteen inches apart and plants thinned to 6 inches apart. Leaves are tender and have a delicious flavor.

**GIANT SOUTHERN CURLED.** Leaves large light green finely curled, and has a mild agreeable flavor. It also makes a fine greens for poultry. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**OSTRICH PLUME.** Another of the large fancy leaved mustards of fine quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**CHINESE WHITE.** A hardy large leaved variety, very mild and in great favor among Orientals. Pkt. 5c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

**WHITE LONDON.** The light colored seed that is used for grinding and flavoring pickles. Pkt. 5c. oz. 10c; ¼ lb. 15c; 1 lb. 50c.



Casaba Golden Beauty

# MUSHROOM SPAWN

**Cultural instructions for growing mushrooms given free to every purchaser of spawn.**

**LAMBERT'S PURE CULTURE.** This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated to California conditions and selected with reference to earliness, size, flavor, appearance prolificy and quality of the mushrooms that it will produce. We highly recommend this spawn to those who intend to raise mushrooms for the market

Bricks 40 cents each; 5 bricks $1.75, postpaid

Health Properties of Mushrooms

| | |
|---|---|
| *Calories per lb. 210* | *Vitamins A, C* |
| *Proteins 3.5%* | *Carbohydrates 6.8%* |
| *Iron .00073%* | *Fats .4%* |

# GERMAIN'S ONIONS

*Ognon*, Fr. *Cipolla*, Ital. *Cebolla*, Sp. *Zwiebel*, Ger.

**Note—Prices listed are postpaid.**

**CULTURE.** Many different methods of planting onions are in practice but the one most practical for the general market grower is the following:
Planting in this section usually starts in September for spring onions and November to March for later crops. Sow onion seed with a seed drill in rows 24 inches apart, using on this basis 3 pounds of seed per acre. The land must be thoroughly plowed, disked, and harrowed when necessary. It is impossible to prepare your land too carefully in growing the onion as it responds readily and in order to get maximum yields, thorough preparations must be made.

As soon as the plants appear, hand weeding must start both in and between the rows. From this point on the plants must have a steady even growth as a check, whether from disease or drought, will cause them to go to seed extensively. When the onions are ready for harvesting the tops will be well ripened down. If, however, the tops are still green we suggest running a light roller or plank over the field to press them down. In ten days after this operation the onions should be pulled and left in the field one deep to dry. When thoroughly dried the tops can be removed. However, we do not recommend this until ready to ship to market.

**Health Properties of Onion**
*Calories per lb. 220*
*Vitamins A, B, C, G*
*Proteins 1.6%*
*Carbohydrates 9.9%*
*Fats .3%*
*Calcium .034%*
*Iron .00048%*

Germain's Improved Riverside Sweet Spanish

**YELLOW BERMUDA.** A flat mild onion, straw colored with pure white flesh. Produces a crop in six months. Our strain of this seed is unsurpassed; is grown especially for us under our own supervision. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.

**CRYSTAL WAX.** A most attractive flat mild onion. Pure white in color, being waxy in appearance. Is similar to Yellow Bermuda except in that it is white in appearance. Is largely grown for the market but we highly recommend it to the home gardener. Pkt. 5c; oz. 25c; ¼ lb. 85c; 1 lb. $2.50.

**RED ITALIAN.** An exceedingly good onion for market or home. Grows as large as the Sweet Spanish. Matured onion weighs 3 to 4 pounds. Very popular in Northern California. Pkt. 5c; oz. 45c; ¼ lb. $1.50; 1 lb. $4.50.

**LARGE RED WETHERSFIELD.** One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper. Pkt. 5c; oz. 35c; ¼ lb. $1.15; 1 lb. $3.50.

**NEW QUEEN.** A rather small, very early white onion, good where earliness rather than keeping qualities are desired. Mild and sweet. An excellent variety for pickling. Pkt. 5c; oz. 30c; ¼ lb. 90c; 1 lb. $2.75.

**SOUTHPORT WHITE GLOBE.** A favorite white onion in Los Angeles market. A true globe shape, pure pearly white, fine flavor, and a good keeper. Pkt. 5c; oz. 45c; ¼ lb. $1.50; 1 lb. $4.50.

**WHITE PORTUGAL OR SILVER SKIN.** One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter. Pkt. 5c; oz. 40c; ¼ lb. $1.25; 1 lb. $3.75.

**AUSTRALIAN BROWN.** A large brown onion of good quality, valued largely for its being a good keeper and long distance shipper as the outer skin is heavy and does not break and peel off. The leading variety among the big onion growers. Pkt. 5c; oz. 30c; ¼ lb. 90c; 1 lb. $2.75.

**RIVERSIDE SWEET SPANISH.** With great care in selecting bulbs of the finest type for our planting stocks we are able to offer a superior strain of this deservedly popular onion which is increasing in favor each year on account of its large size, attractive color and superior flavor, being very mild and sweet. Globe shaped, light yellowish brown, often weighing two pounds or over. You will find this the most satisfactory onion to plant for home use and the most profitable for the market. Pkt. 5c; oz. 35c; ¼ lb. $1.10; 1 lb. $3.25.

**WHITE SWEET SPANISH.** Similar to the original Sweet Spanish with the exception that it is white fleshed. Like the original, it is a good keeper. Is globe-shaped and will grow where other onions will thrive. We are very proud of our strain of this onion as it has given wonderful results. Pkt. 5c; oz. 45c; ¼ lb. $1.45; 1 lb. $4.25.

## Use HOTKAPS for Earlier, Bigger, Safer Crops

HOTKAPS are waxed paper cones, easily set out in quantity over seed or growing plants. They guard against rain, frost, cold, wind, hail, birds and insects, and maintain perfect mulch. Growth is forced and yield is increased 10 to 25 per cent. Crops mature 2 to 3 weeks earlier, and bring premium prices. Prices: 1,000 for $10.25; 250 package with setter and tamper, $3.75; 100 package with setter and tamper, $2.50; steel setter, $1.50. Garden setter, 50c. Postage extra.

Australian Brown

# GERMAIN'S ONIONS

**GERMAIN'S GREAT BUNCHING ONION.** This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. It can be easily grown in every gaiden. Pull while medium sized before the bulb has formed. Pkt. 5c; oz. 40c; ¼ lb. $1.25; 1 lb. $3.75. Prices are postpaid.

**YELLOW GLOBE DANVERS.** A well known early onion of fine quality. Flesh white and firm. Color a bright straw; grows to a good size, hardy, a sure cropper and a good keeper. Pkt. 5c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

White Onion Sets

## ONION SETS

Write for prices in large quantities

**Note**—Prices include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

Onion sets are grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. Mature about six weeks earlier than crop grown from seed.

**BROWN AUSTRALIAN.** Attains large size, good keeper. A leading variety among growers. 1 lb. 35c; 10 lbs. 3.00.

**WHITE PORTUGAL.** One of the leading white sorts, of very mild flavor. 1 lb. 35c; 10 lbs. $3.00.

**SHALLOTS or MULTIPLIER ONION SETS.** A few of these onion-like bulbs will assure you of plenty of flavoring for soup or salads. When gathering always leave one bulb from which others will multiply very rapidly assuring a plentiful supply. Delivery May 15. 30c per pound, postpaid.


VEGETABLES IN THE CALIFORNIA GARDEN

A HOME GARDENER'S GUIDE

With notes on the planting and care of Fruits and Berries, and an instruction to the Small Farm Home.

By ROSS H. GAST

Price $1.00, Postpaid

MARKET GARDENERS!

Send for Our Booklet Entitled

3 WEEKS EARLIER TO MARKET

It tells how to protect your crops from extra heavy rains, winds, insects and frosts. FREE—a postal will bring it to you.


## OKRA

*Gombaud*, Fr. *Ibisco*, Ital.
*Gombo*, Sp. *Ocher*, Ger.

Health Properties of Okra

*Calories per lb. 172; Vitamin B; Proteins 1.6%; Carbohydrates 7.4%; Fats .2%; Calcium .071%; Iron .00063%*

**Note**—Prices listed are postpaid.

**CULTURE.** Seed can be planted from the middle of March until the latter part of August. Plant in rows 18 inches apart in rows 3 feet apart. Plant seed 1½ inches deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritious pods which when young are used in soups and stews, to which they impart a rich flavor.

**EARLY DWARF.** Dwarf, stocky growth, heavy bearer. The pods are of medium length, greenish white, tender and of good quality. Plants grow from 2½ to 3 feet in height and often bear as many as forty pods. This variety is very early and therefore is popular among commercial growers and home gardeners. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**LONG GREEN.** Later and more productive; ribbed pods. The pods are deep green and larger and plants grow to a height of five to six feet. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**WHITE VELVET.** Pods round, smooth, white in color, free from seams, exceedingly tender, well flavored and very prolific. Is an excellent variety for shipping and canning because of its smooth pods. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

Onion Green Bunching

## PARSLEY

*Persil*, Fr. *Prezzemolo*, Ital.
*Perejil*, Sp. *Petersilie*, Ger.

**Note.**—Prices listed are postpaid.

**CULTURE.** Same as Lettuce, see page 65. Every garden should include parsley as its demands and uses are constant by the housewife. Being ornamental, it makes a very attractive border plant for the flower garden. It may be planted as such if you have no room in the vegetable plot.

**CHAMPION MOSS-CURLED.** Vigorous, compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**DOUBLE CURLED.** An exceptionally curly type of excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**HAMBURG OR TURNIP-ROOTED.** The roots are excellent for flavoring soups. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**PLAIN PARSLEY.** Leaves flat, deeply cut but not curled. Very dark green in color and very hardy. Easily grown. Used largely for flavoring soups, etc. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

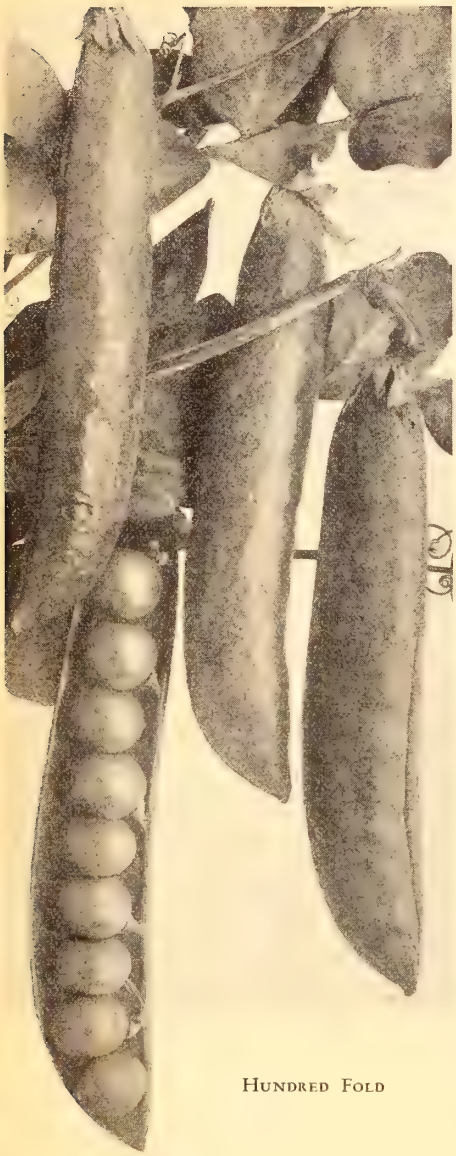
Parsley Moss Curled and Plain

# GERMAIN'S GARDEN PEAS

*Pois*, Fr. *Pisello*, Ital. *Guisante*, Sp. *Erbsen*, Ger.

We specialize in the production of select stocks of the highest qualities of garden pea seed and cater to the most critical trade. Inquiries from large growers are solicited. Note—Prices up to and including ten pound quantites include postage or expressage prepaid. When sent otherwise, deduct 10c per pound or fraction thereof. If quantities are desired, do not fail to write for special prices.

**CULTURE.** Peas may be planted in almost any kind of soil. In light soil during the warmer months they should be planted about 3 inches deep so as to be near moisture. In heavier soils or in fall months plant about 1 inch deep, that warmth may penetrate and help germinate the seed. Rows should be about 2½ to 3 feet apart. Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground. Cultivate after each irrigation. Usual planting is at rate of 60 pounds per acre. One pound will plant a row of 150 feet.



Hundred Fold

Health Properties of Peas

*Calories per lb. 454; Vitamins A, B, C, G; Proteins 7.0%; Carbohydrates 16.9%; Fats .5%; Calcium .028%; Iron .0057%.*

## EARLY VARIETIES

**LAXTON'S PROGRESS.** The latest and regarded by some large users as the best of the large podded early peas. Vine 18 to 20 inches high, pods large of fine color that stand long distance shipping well and are well filled with large peas of finest quality. Planted on good rich land as all dwarf or semi-dwarf varieties should be the Laxton's Progress will make you money. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**HUNDREDFOLD.** Is a recognized leader among the early dwarf varieties used very largely by market growers and shippers throughout the country, and given first place by many of the large shippers. Grows 18 inches to 20 inches high, dark green foliage, pods heavily with a dark green straight well filled pod of finest quality. Whether you plant a few rows in your garden or a large acreage you will find this one of the best. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**AMERICAN WONDER.** The old stand-by among the Early Dwarf Peas and though there are a lot of new varieties it still has a host of friends. Is very early, grows 12 to 14 inches in height and pods are crowded with 6 or 8 fine quality peas. Planted on good rich well prepared soil, American Wonder will not fail to give you a crop. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**LAXTONIAN.** The first introduction among the extra early large podded peas, and although there are a number of this type of peas on the market now, the Laxtonian is still a favorite among the successful growers, being very early, hardy and prolific. Grows 15 to 18 inches high. Foliage bright green. pods about 4 inches in length, slightly curved and well-filled with large tender delicious peas. Like all dwarf growing varieties Laxtonian should be planted on rich well-prepared soil for the best results. Whether for home, garden or market the Laxtonian will prove entirely satisfactory. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

## MID-SEASON VARIETIES

**DWARF TELEPHONE.** The best of the large podded second early sorts, grows 2 feet high, foliage light green, pods large and well filled. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**SENATOR.** Largely used on the south coast as a market gardener variety. and one of the best of main crop sorts; does well on rather light land. 2½ feet high, pods long, pointed, curved. Pkt. 5c; ½ lb. 20c; 1 lb. 35c.; 10 lbs. $3.00.

**STRATAGEM.** The standard late variety for market gardeners and shippers. Vines semi-dwarf, very heavy, yielding extra large pods of finest quality peas. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**STRIDAH.** A new development. It is wilt resistant and has an unusually long (5½ in.) slightly curved thick pod of attractive green color and very well rounded and filled. Height 27 inches, vines sturdy and dark green. It is 6 to 8 days earlier than the Stratagem. We recommend this pea as the best of recent introductions. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

Stratagem

## LATE VARIETIES

**ALDERMAN.** The finest of the tall growing late varieties. Height, 4 to 5 feet, pods very large dark green, peas large and most delicious. There is no better pea grown. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**TELEPHONE** The standard late tall, large podded variety. Pods large light green and peas of best quality. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

**DWARF GRAY SUGAR EDIBLE POD.** Early vigorous, prolific, with a fleshy pod that is cooked like string beans. Pkt. 5c; ½ lb. 20c; 1 lb. 35c; 10 lbs. $3.00.

# GERMAIN'S PEPPERS

*Piment*, Fr. *Peperone*, Ital. *Pimiento*, Sp. *Pfeffer*, Ger.

Note—Prices listed are postpaid.

**CULTURE.** For early market peppers, seed should be planted in hot beds during November and December, and when the plants are of proper size and the danger of frost is passed they should be planted in the open field or garden or the plants may be planted direct in the open ground before the frost period is over if they are given proper protection.
To harden off plants before setting out remove covering of hot bed during warmer part of the day, being sure to replace same as it starts to turn cool in the evening.
For main crop, plant in the hot bed during February, March and April; in later planting cold frames may be utilized.

**RUBY KING.** A large pepper, about 5 inches long and 2½ inches thick, slightly tapered. Deep green in color turning to a bright red and very sweet and mild. Excellent for stuffing or salads. Pkt. 5c; oz. 40c; ¼ lb. $1.35; lb. $4.00.

**ANAHEIM CHILI.** The leading variety among the hot or pungent peppers; used both as green pepper and dried, and in making of Chili Powder. Peppers 6 to 8 inches long and ½ inch thick. We have a fine stock that produces long smooth highly colored pods. Pkt. 5c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00.

**MEXICAN CHILI.** The kind used in making tamales and pungent sauces. Used almost exclusively for grinding and often called "Cayenne" pepper. We have a fine strain of seed of this popular variety. Pkt. 5c; oz. 55c; ¼ lb. $1.85; 1 lb. $5.50.

**FLORAL GEM.** The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. The fruit is cone shape and 2 inches long, green when immature, changing to a creamy white and turning red as it ripens. We have a fine stock of this variety. Pkt. 5c; oz. 80c; ¼ lb. $2.65; 1 lb. $8.00.

**CALIFORNIA WONDER PEPPER.** We introduced California Wonder Pepper in 1927, announcing it as the best large sweet pepper ever produced. The reception given this remarkable variety even exceeded our expectations. It has literally swept the country and is now the leading variety used by large shippers of winter vegetables on the West coast of Mexico. It is the best large fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor; it is fast replacing other varieties in the home garden on account of its excellent quality, and with the shippers on account of its fine appearance after a long journey to distant markets. Peppers are about five inches in length and four in width, being blocky in shape. The walls are very thick and the color a deep, rich and glossy green. Buy your seed in Germain's Sealed Containers, and be sure of the best. Pkt. 5c; oz. 60c; ¼ lb. $2.00; 1 lb. $6.00.

California Wonder

**PERFECTION PIMIENTO.** The best of the medium sized [illegible] sweet peppers largely used by [illegible] [illegible] oz [illegible] 1 lb. [illegible]

**CHINESE GIANT.** A very large bright green sweet pepper [illegible] for salads, and stuffing [illegible] [illegible]

**BELL OR BULL NOSE.** The [illegible] of the sweet bell shaped peppers, medium size. [illegible] [illegible] 1 lb. $4.50

**CAYENNE.** A very [illegible] variety; fruit [illegible] and slender, [illegible] Pkt. [illegible] oz. 70c; ¼ lb. [illegible]

Perfection Pimiento

Earlier, Bigger, Safer Crops are assured if you use Hotkaps. See page 70.

Chinese Giant

Health Properties of Peppers
*Calories per lb. 109*
*Vitamins A, B, C*
*Proteins 1.1%*
*Carbohydrates 4.6%*
*Fats .1%*
*Calcium .006%*
*Iron .0004%*

# RHUBARB OR PIE PLANT

*Rhubarbe*, Fr. *Rabarbaro*, Ital. *Ruibarbo*, Sp. *Rhabarber*, Ger.

Note—Prices listed are postpaid

**CULTURE.** Rhubarb seed requires considerable care and is discriminating as to where it grows. A rich light sandy loam is its delight and seed planted in this type of soil about [illegible] deep in rows which are 12 inches apart, in the early spring, say February, will be ready to transplant in from 4 to 6 months time. When roots are as large as one's finger transplant to mellow soil as described above, in rows 5 feet apart and about 3 feet apart in the row. The roots should be set in ridges with the crown even with the surface of the soil. The ground should be kept well cultivated and irrigated the first season and stalks may be pulled early the next spring.

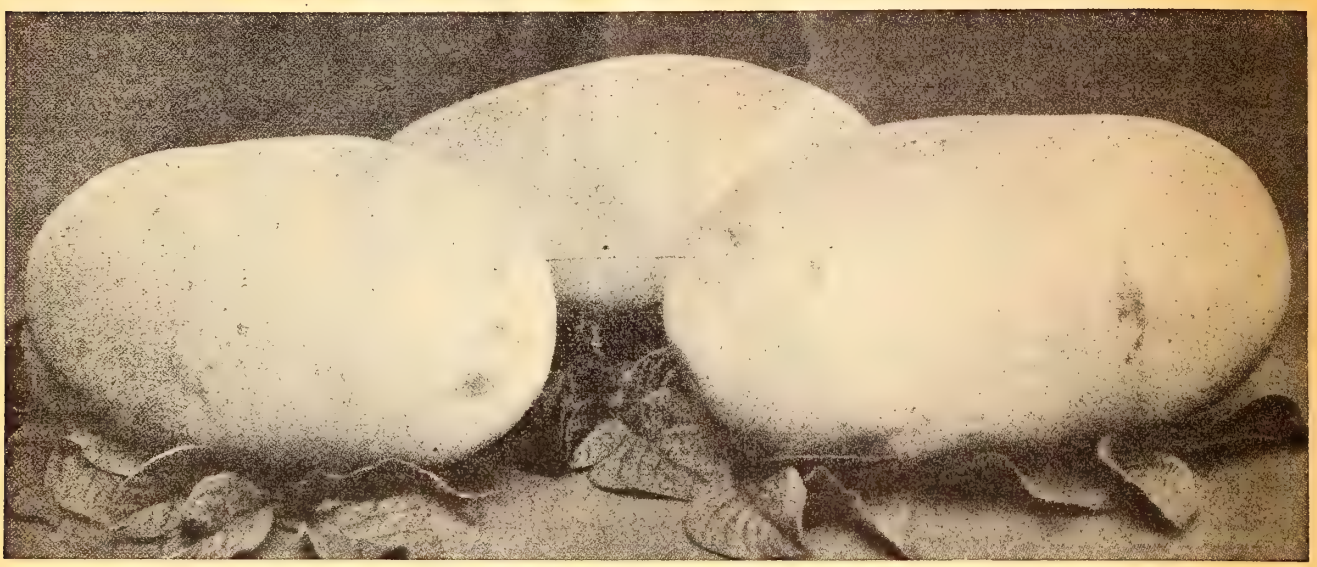
(For Rhubarb Plants see page 106)

**GIANT WINTER.** We can furnish seed of this splendid variety but as Rhubarb is one of the plants that does not come true from seed the result will be varying types of plants, so we recommend the planting of roots, especially in making commercial plantings. Our price on seed is: Pkt. 5c; oz. $1.60; ¼ lb. $5.35; 1 lb. $16.00

Health Properties of Rhubarb
*Calories per lb. 105*
*Vitamin C*
*Proteins .6%*
*Carbohydrates 6.6%*
*Fats .7%*
*Calcium .044%*
*Iron .00056%*

# GERMAIN'S SEED POTATOES

*Pomme de Terre*, Fr. *Patata*, Ital. *Patatas*, Sp. *Kartoffel*, Ger.



Germain's Early White Rose Seed Potatoes

**CULTURE.** The first requisite is to select Potatoes that are clean, vigorous, uniform in size, true to type and free from Potato diseases. We have specialized for many years in the production of high quality, disease-free Seed Potatoes. For this reason we are having varieties of Seed Potatoes that are adapted to growing in Oregon, grown there, on account of two very serious Potato diseases, Nematode and Tubamoth. These diseases are not known in that state while they do exist in California.

About six to eight hundred pounds of Seed Potatoes should be planted to the acre in deep, rich, well prepared soil. In cutting the Potatoes for planting, do not cut too small. Each planting piece should contain at least two good eyes, should be not less than two ounces in weight and should be cut in a square or blocky shape. It is a good idea to dust the cut Potatoes in Gypsum to dry up and harden the cut surfaces and insure against rotting in the ground. The first cultivation should be with a shovel plow and should be deep and thorough and three additional light cultivations that do not interfere with the root growth should insure a good crop.

Depth of planting should be about 4 inches in heavy soil and 6 inches in light soil. Plants should be about 14 inches apart in the rows and the rows should be 30 inches apart.

**Health Properties of Potatoes**

*Calories per lb. 385; Vitamins A, B, C; Proteins 2.2%; Carbohydrates 18.4%; Fats .1%; Iron .00091%.*

### QUANTITY PRICES ON POTATOES

We have only listed here prices on Seed Potatoes in small lots and we request that sack lot buyers and commercial growers write us for special quantity prices. Prices will vary according to market conditions.

**GERMAIN'S POTATO BOOKLET.** We have prepared a special booklet giving much interesting and valuable information on the planting, care and treatment of Potatoes. You will find this booklet of great interest and we suggest that you write us for one.

**EARLY WHITE ROSE.** This is by far the most popular Potato grown in Southern California. It is a long white variety with smooth skin, shallow eyes, slightly flattened and has a blunt end. Planting season runs from December to June. This variety is especially desirable because it is very early. Seed stocks are available from about December to June.

5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00. Postage extra. Write for quantity prices.

**EARLY RED ROSE.** This is a very early pink elongated Potato with small well marked eyes, having a thin tough skin. We have a fine strain of this attractive variety, grown for us in Oregon and Potatoes are available from December through February.

5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00. Postage extra. Write for quantity prices.

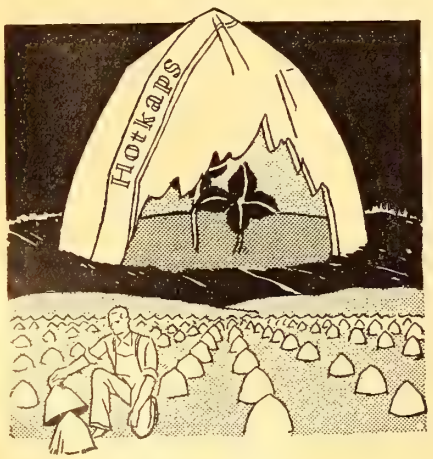
**BRITISH QUEEN.** A smooth oval Potato, fine grained and of excellent table quality. Very good when full grown for baking but sold mostly for new Potatoes. Our stocks of these Potatoes are grown both in California and Oregon under our direct supervision. This variety should be planted for an early crop. The British Queen stands cool weather very well and therefore may be planted during the fall and winter months in Southern California. Stocks of this variety are available from October until February.

5 lbs. 30c; 10 lbs. 50c; 25 lbs. $1.00. Postage extra. Write for quantity prices.

### SEED TREATMENT

**SEMESAN BEL.** Semesan Bel, either as a liquid or a dust, should be used to disinfect seed potatoes before planting. A separate booklet is published on Semesan Bel which will be gladly sent to you upon request.

Prices: 4 oz. 50c; 1 lb. $1.75; 5 lbs. $8.00. Sent Express or Parcel Post.




## Use HOTKAPS for Earlier, Bigger, Safer Crops

HOTKAPS protect growing plants against rain, wind, cold, frost, birds, insects and other destructive forces. Each one is a miniature hothouse, maintaining a perfect mulch and forcing growth and development. With HOTKAPS, crops mature 2 to 3 weeks earlier and yield is 10 to 25 per cent greater. They are used on all kinds of small plants in every state of the Union.

HOTKAPS are patented waxed paper cones, easily set out with a convenient steel setter. One man can place 3,000 or more a day. You can be sure of your crops if you use HOTKAPS—they pay for themselves many times over.

Prices: 1,000 lots, $10.25; 5,000 lots, $10.10 per M; 10,000 lots, $10.00 per M; 250 Trial Package, including Garden Setter with tamper, $3.75; 100 Home Package, including Garden Setter with Tamper, $2.50; Germaco HOTKAP steel Setter with Tamper, $1.50; Garden Setter, 50c. Postage extra.

Weight: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel HOTKAP Setter, 4 lbs.

# GERMAIN'S PUMPKIN

*Potiron*, Fr. *Zucca*, Ital. *Calabaza*, Sp. *Grosser-Kuerbis*, Ger.

Note—Prices listed are postpaid.

**Health Properties of Pumpkin**
*Calories per lb. 117*
*Vitamins A, B, C*
*Proteins 1.0%*
*Carbohydrates 5.2%*
*Fats .1%*
*Calcium .023%*
*Iron .00093%*

**CULTURE.** Pumpkins grow and thrive in most any soil. A well-drained soil subject to irrigation is best. Pumpkins like other vine crops, should be irrigated carefully, not allowing the water too close to the main stock. As the roots are long, irrigation can be made at the ends of the vine. When the fields are covered by vine, irrigate midway between the rows. Too much water is very detrimental to the vines. Plant hills 8 to 10 feet apart each way, placing 4 seeds to a hill and after established pull out all but the one healthiest plant. Use one pound of seed per acre.

**CALIFORNIA FIELD.** Varies in size and color, usually running very large and colors ranging from yellow to red. A heavy yielding, early maturing variety mostly used for stock feed. Pkt. 5c; oz. 10c; ¼ lb. 35c; lb. $1.00.

**BOSTON PIE OR SMALL SUGAR.** A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine grained. As famous in Boston as the Boston Beans. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**CONNECTICUT FIELD, OR JACK O'LANTERN.** A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**LARGE CHEESE OR KENTUCKY FIELD.** A heavy fleshed and remarkably sweet pumpkin. A splendid keeper and a fine sort for family or market use. Its large size makes it desirable for stock also. Especially adapted to Southern California. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.

**MAMMOTH KING.** The best large pumpkin in use. Forms immense globular fruits, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and is of immense size. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**JAPANESE PIE.** The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well, and are fine for home use. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**CUSHAW GREEN STRIPED.** This large crook-necked pumpkin is the best in warm locations. Yields a heavy tonnage and is used largely by dairymen. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

Large Cheese

Pumpkin
Small Sugar

## TIME NECESSARY FOR MATURING VEGETABLES IN ANY LOCALITY

| Crops | Period Necessary for Maturity | Crops | Period Necessary for Maturity |
|---|---|---|---|
| Beans, bush | 40 to 65 days | Lettuce | 60 to 90 days |
| Beans, pole lima | 80 to 120 days | Parsley | 90 to 120 days |
| Beets | 60 to 80 days | Peas | 40 to 80 days |
| Cabbage, late | 90 to 130 days | Potatoes, Irish | 80 to 140 days |
| Carrots | 70 to 100 days | Potatoes, sweet | 120 to 160 days |
| Cauliflower | 100 to 130 days | Radishes | 20 to 40 days |
| Celery | 120 to 150 days | Spinach | 30 to 60 days |
| Corn, sweet | 60 to 100 days | Squash, bush | 60 to 80 days |
| Cucumbers | 60 to 80 days | Squash, vine | 120 to 160 days |
| Kale | 90 to 120 days | Tomatoes | 80 to 125 days |
| | | Turnips | 60 to 80 days |

# PARSNIP

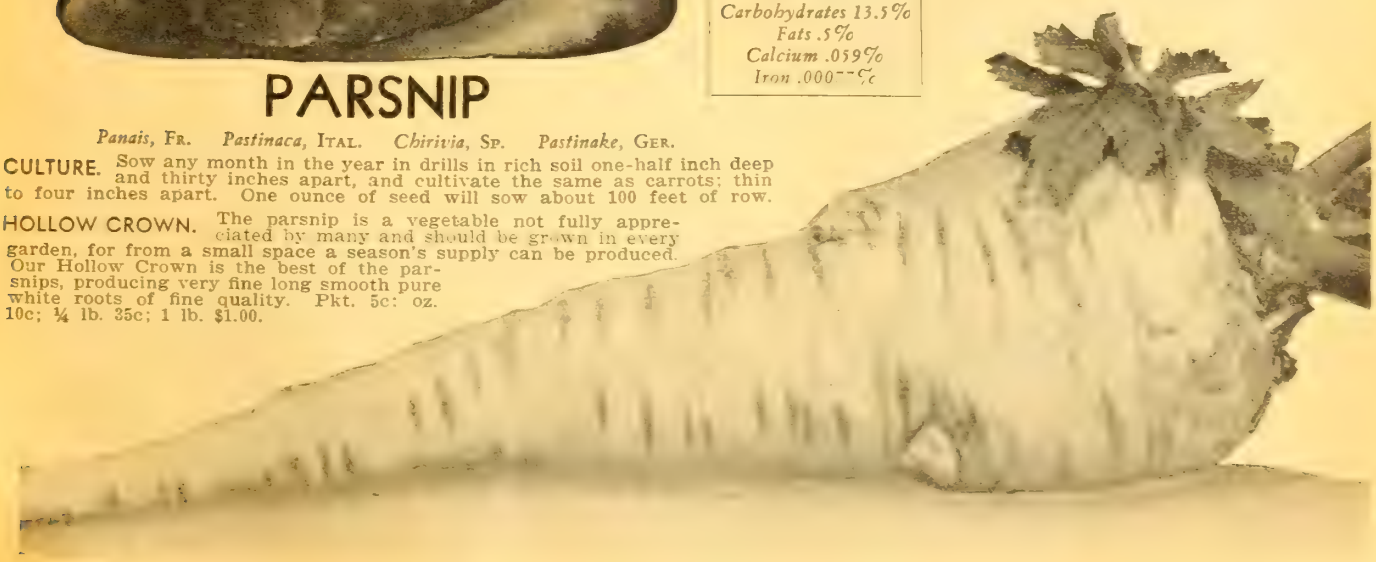
**Health Properties of Parsnips**
*Calories per lb. 294*
*Vitamins A, B,*
*Proteins 1.6%*
*Carbohydrates 13.5%*
*Fats .5%*
*Calcium .059%*
*Iron .000[illegible]%*

*Panais*, Fr. *Pastinaca*, Ital. *Chirivia*, Sp. *Pastinake*, Ger.

**CULTURE.** Sow any month in the year in drills in rich soil one-half inch deep and thirty inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

**HOLLOW CROWN.** The parsnip is a vegetable not fully appreciated by many and should be grown in every garden, for from a small space a season's supply can be produced. Our Hollow Crown is the best of the parsnips, producing very fine long smooth pure white roots of fine quality. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

Have you ever used Hot-Kaps to protect your crops? See page 70.



Hollow Crown

# GERMAIN'S RADISH

*Radis, Rave,* Fr. *Ravanello,* Ital. *Rabanito,* Sp. *Radies,* Ger.

Note—Prices listed are postpaid.

Radish White Icicle

**CULTURE.** Sow any month of the year; will succeed in any good garden soil not over-moist or too heavy. For early and late crop a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession. sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square feet.

**SCARLET TURNIP WHITE TIP.** On account of its quick growing, fine quality and attractive color this is the leading home garden and market radish. By successive plantings you can keep your table supplied the year round. Is round, of medium size, bright red in color with a white tip. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**EARLY SCARLET TURNIP.** This variety grows very quickly and is ready for picking in 25 to 30 days. Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**SCARLET GLOBE.** Globe shaped rich bright scarlet color; is growing in popularity and promises to become a leading variety. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**SCARLET OLIVE SHAPED.** Oval in shape, bright scarlet in color. This is an excellent variety for either the home or market gardener. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c

**CRIMSON GIANT.** Rather larger than most of the short radishes, of fine mild quality and remains in edible condition longer than most kinds. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**FRENCH BREAKFAST.** A splendid variety for home use, oblong, bright scarlet, white tip. Grows about 1½ inches long and ⅝ inch thick. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**LONG SCARLET.** The best of the long red radishes, very attractive color and fine quality. Grows to a length of about 6 inches, has a very smooth skin, keeps well for several days and very mild and crisp. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**CHINA ROSE WINTER.** A large rose colored variety from the Orient; hardy and rather mild. The flesh is white and very crisp. This variety is broadest at its base and is 4 to 5 inches long. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**JAPANESE SUMMER RADISH.** Very large mild white radish from Japan. Grows to a length of over two feet and is three inches thick. Has an unusually mild flavor. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**JAPANESE WINTER.** Best of the very large white radishes for winter growing. Is not quite as long as the Japanese Summer but has its other characteristics. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**BLACK SPANISH LONG.** A hardy, large, rather pungent variety for winter use. Keeps unusually well. is 8 to 9 inches long and two inches thick, slightly tapered. The skin is black and the flesh white and crisp. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**ICICLE.** The leader among the long white radishes; pure white, very crisp and brittle. Grows six inches long and about two inches out of the ground. Being unusually mild it is an extremely popular variety amongst home gardeners. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**CALIFORNIA MAMMOTH WHITE.** A very large white radish introduced from the Orient. Used when a large, rather pungent variety is desired. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

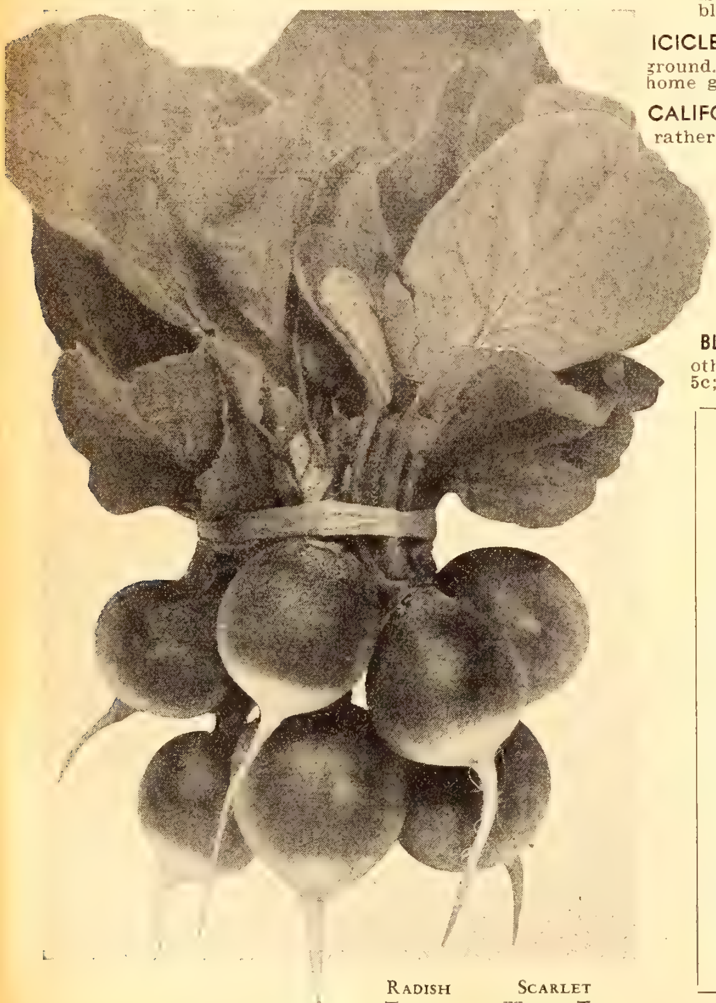
HEALTH PROPERTIES OF RADISHES

*Calories per lb. 133; Vitamins A, B, C; Proteins 1.3%; Carbohydrates 5.8%; Fats .1%; Calcium .021%; Iron .00083%.*

**BLACK SPANISH ROUND.** The short round type of winter radish. Is about four inches in diameter, its color and other characteristics being the same as the Black Spanish Long. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

## GARDENERS' PLANTING CHART

| Vegetable | Seeds Required for 100 feet of Row Space | Planted Apart in Rows | Depth of Planting |
|---|---|---|---|
| Beans, bush | 1 pound | 5 to 8 inches | ½ to 1 inch |
| Beans, pole | ½ pound | 3 to 4 feet | 1 to 2 inches |
| Beets | 2 ounces | 5 to 8 inches | 1 to 2 inches |
| Cabbage, early | ¼ ounce | 12 to 18 inches | ½ inch |
| Cabbage, late | ¼ ounce | 16 to 24 inches | ½ inch |
| Carrot | 1 ounce | 6 to 10 inches | ½ inch |
| Celery | ¼ ounce | 4 to 8 inches | ⅛ inch |
| Corn, sweet | ¼ pound | 30 to 36 inches | 1 to 2 inches |
| Cucumber | ½ ounce | 4 to 6 feet | 1 to 2 inches |
| Lettuce | ½ ounce | 4 to 6 inches | ½ inch |
| Muskmelon | ½ ounce | Hills 6 feet | 1 to 2 inches |
| Watermelon | 1 ounce | Hills 10 feet | 1 to 2 inches |
| Onion seed | 1 ounce | 4 to 6 inches | ½ to 1 inch |
| Onion sets | 1 pound | 4 to 8 inches | 1 to 2 inches |
| Parsnips | ½ ounce | 5 to 8 inches | ½ to 1 inch |
| Peas | 1 to 2 pounds | 15 to a foot | 2 to 3 inches |
| Pepper | ⅛ ounce | 15 to 18 inches | ½ inch |
| Potato, Irish | 5 pounds | 14 to 18 inches | 4 inches |
| Radish | 1 ounce | 8 to 12 feet | ½ to 1 inch |
| Rhubarb seed | ½ ounce | 6 to 8 inches | ½ to 1 inch |
| Rhubarb plants | 33 plants | 3 feet | 2 to 3 inches |
| Rutabaga | ¼ ounce | 6 to 8 inches | ½ to 1 inch |
| Salsify | 1 ounce | 2 to 4 inches | ½ to 1 inch |
| Spinach | 1 ounce | 7 to 8 to a ft. | 1 to 2 inches |
| Squash, bush | ½ ounce | Hills 3 to 4 ft. | 1 to 2 inches |
| Squash, late | ½ ounce | Hills 7 to 9 ft. | 1 to 2 inches |
| Tomato | ⅛ ounce | 3 ft. (plants) | ½ to 1 inch |
| Turnip | ½ ounce | 6 to 7 to a ft. | ¼ to ½ inch |



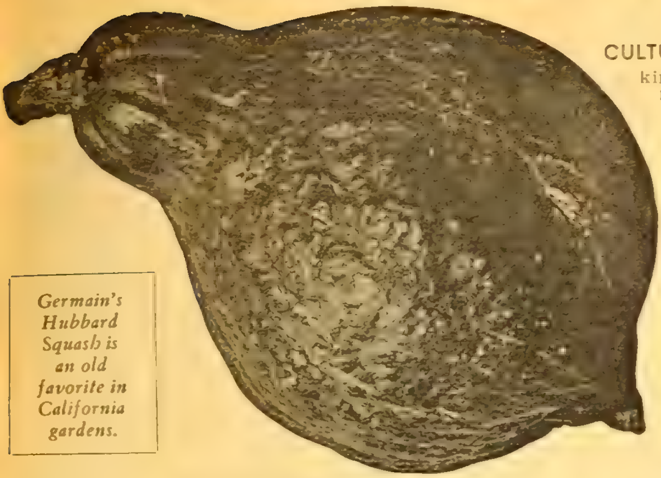
Radish Turnip Scarlet White Tip

# GERMAIN'S SQUASH

*Courge*, FR. *Zucca*, ITAL. *Calabaza*, SP. *Kuerbis*, GER.

**CULTURE.** Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared for same as for pumpkins and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills, two pounds will plant an acre of the summer varieties, and 1½ lbs. the winter varieties.

*Germain's Hubbard Squash is an old favorite in California gardens.*



HUBBARD SQUASH

HEALTH PROPERTIES OF SQUASH
*Calories per lb. 209*
*Vitamin A*
*Proteins 1.4%*
*Carbohydrates 9.0%*
*Fats .5%*
*Calcium .018%*
*Iron .00035%*

## SQUASH--WINTER

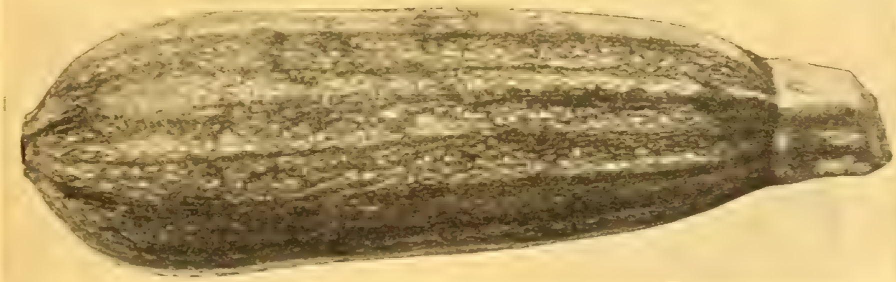
**BANANA.** A deservedly popular variety growing 18 inches to 2 ft. long, 6 to 8 inches in diameter, skin grayish blue, flesh yellow and fine grained. An excellent table variety without a hard shell. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. $1.25.

**HUBBARD.** Best winter variety, vigorous, productive. Fruit large, weighty moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as delicious as a sweet potato. Fruits weigh twelve to fourteen pounds and mature in 100 to 110 days. We have spent a great deal of time and attention in selecting our stock and confidently recommend it. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**GOLDEN HUBBARD.** A very good variety of medium size, weighing about 8 pounds. An excellent keeper on account of its thick rind which is of a beautiful golden color. Flesh of excellent quality. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**FORDHOOK (ENGLISH CREAM MARROW).** An excellent variety of small winter squash; cream color, slightly fluted skin but tough; a good keeper; is oblong in shape and 8 to 10 inches long. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. $1.25.

TABLE QUEEN



ITALIAN OR ZUCCHINI

**TABLE QUEEN.** A recent introduction that is fast becoming popular. A first quality winter squash that keeps well but does not have a hard shell. It is heart shape with a dark green skin, rich yellow fine grained flesh, about 5 inches in diameter, which makes a convenient size to cut in half and bake for individual service. The fruits are uniform in size and shape and very numerous; in fact, we know of no other squash that sets so heavily and if picked as soon as mature will continue to set a new crop. You will be amply repaid by planting a few hills of this splendid variety in rich well fertilized soil. We highly recommend it for home garden and we believe it will take the place of older varieties with market gardeners as soon as they become acquainted with it as it far surpasses any squash of this type, both for quality and yield. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

## SQUASH--SUMMER

**ITALIAN OR ZUCCHINI.** The variety most favored by market gardeners, is very early, prolific. Fruits when ammature a light mottled green, very attractive and of finest quality. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**BLACK ZUCCHINI.** Similar to the Italian but has a dark even green skin. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. $1.50.

**COCOZELLE.** Another type of Italian Bush Squash much like Zucchini except darker color, and is striped light and dark green. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

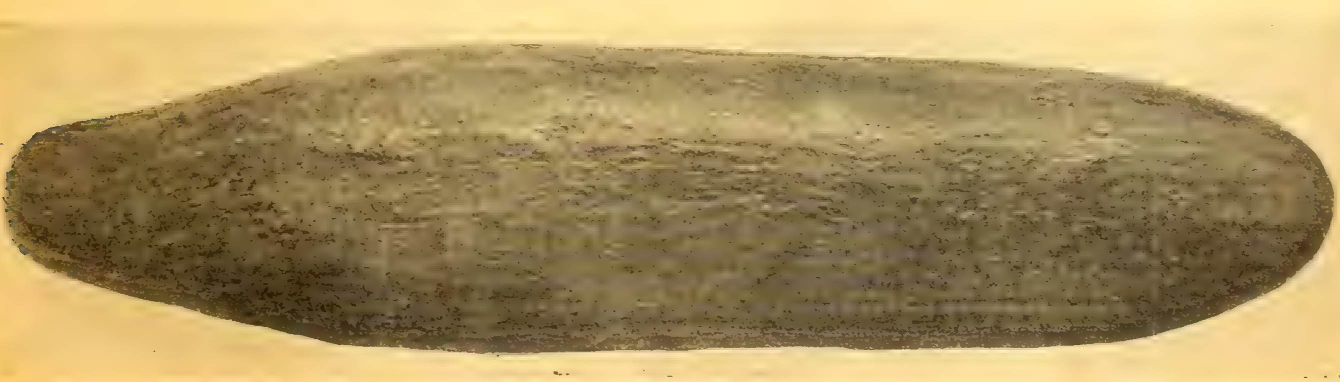
**WHITE BUSH SCALLOP.** A popular variety bearing profusely small, rather flat white squashes with a distinct scalloped edge. Is very early and has a fine flavor. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. $1.00.

**IMPROVED GREEN TINT WHITE BUSH SCALLOP.** A very desirable market variety due to the darker green fruit which holds its color longer than the regular White Bush Scallop. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**SUMMER CROOK NECK.** Regarded by some as the best of the Summer squashes. Fruits bright yellow, warted, with Crook-Neck. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**SUMMER STRAIGHT-NECK.** Same as the Crook-Neck, retaining the warted creamy golden skin, large size, fine quality and earliness. We recommend it and believe it will replace the Crook-Neck variety. As the name implies, this variety is straight and not curved. Fruits weigh about two pounds and mature very early—60 to 65 days. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. $1.25.

**LONG WHITE VEGETABLE MARROW.** An English variety, of fine quality and remains in edible condition till quite large. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. $1.75.



BANANA

# GERMAIN'S SPINACH

ESPINARD, FR. *Spinnacio,* ITAL. *Espinaca,* SP. *Spinat,*GER.

**Note.**—Prices listed are postpaid.

**CULTURE.** An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row. In field plantings, 12 to 15 lbs. of seed are planted per acre in rows 16 to 18 inches apart. There is an enormous demand for Spinach for canning purposes as well as for the market. Spinach does not do well in hot weather and therefore late spring plantings are not advisable. It requires good soil and plenty of water.

**GIANT AMSTERDAM OR PRICKLY WINTER.** The leading variety in our spinach list being used more by canners and market growers than any other and by successive plantings your garden will produce a crop of this healthful vegetable all the year except in the mid summer. The plant is vigorous, leaves large, thick and of finest quality. Plants are very slow to go to seed giving a longer cutting season.
Grow your vitamins in your own garden by planting Prickly Winter spinach. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

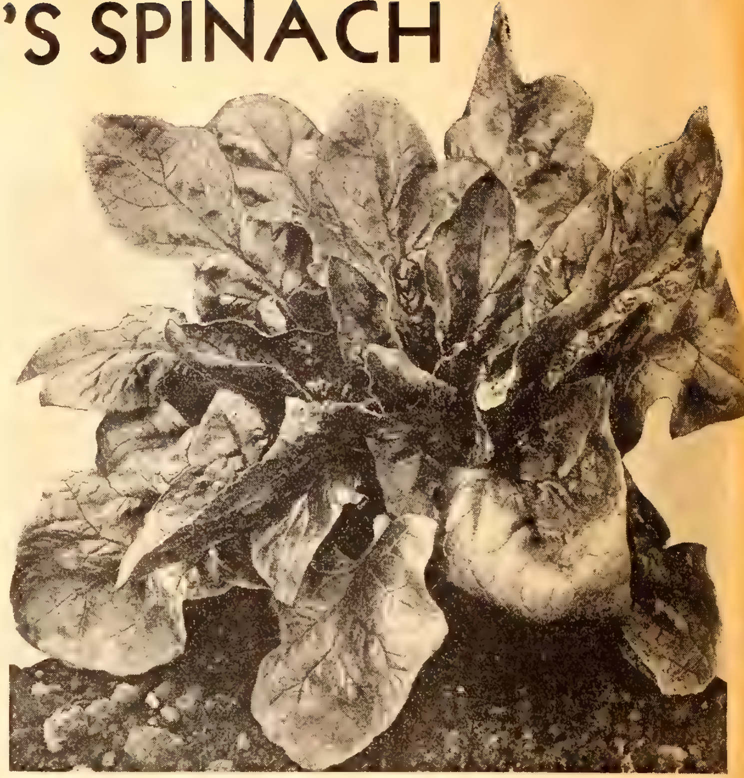
**BLOOMSDALE OR SAVOY-LEAVED SPINACH.** A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

**BROAD FLANDERS.** A round seeded variety for home, market garden or canning use. Produces large, vigorous plants with deep green, smooth, broad and thick leaves. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

**NOBEL (GIANT THICK LEAVED).** A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

**VIROFLAY.** The leading smooth seeded variety used by both canners and market growers. Leaves large, smooth, thick, and tender. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

**NEW ZEALAND.** Quite unlike other varieties as it grows a large spreading plant with small very thick leaves. Will thrive in any kind of soil and continue in use through the hot weather. Plant several seeds in hills 2 ft. apart each way. As seed coat is very hard, better growth is secured by soaking for 24 hours in warm water. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.



PRICKLY WINTER

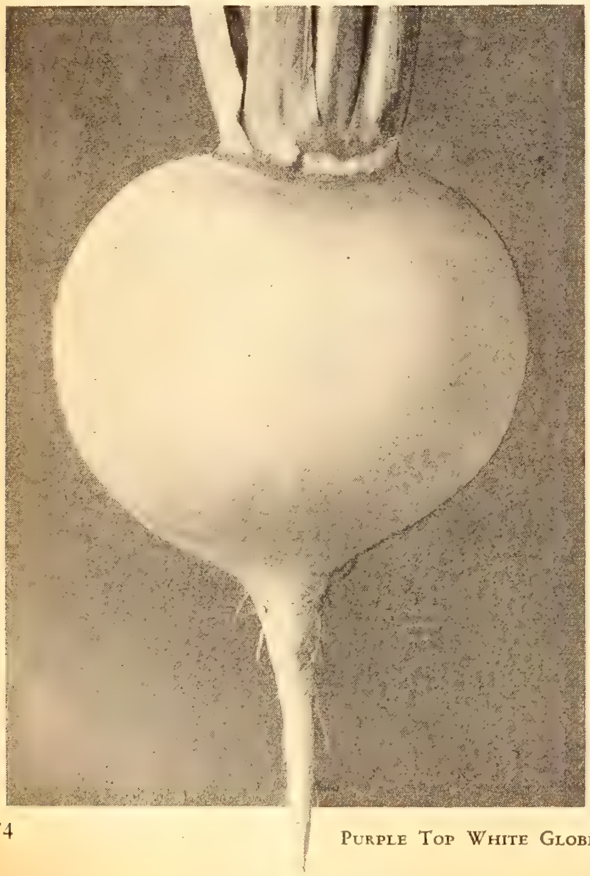
# SALSIFY OR VEGETABLE OYSTER

*Salsifis,*FR. *Salsifi, Sp.* *Barba di becco,* ITAL. *Haferwurzel,* GER.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

**SANDWICH ISLAND SALSIFY.** An improved type and the largest and most delicious salsify in cultivation, with long, white tapering roots. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. $2.25.



PURPLE TOP WHITE GLOBE

# RUTABAGA OR SWEDISH TURNIP

What others do, you can do. Plant lots of Rutabagas for your stock and cut down your feed bill.

**CULTURE.** Same as for common turnip, but if anything, less exacting in care.

**IMPROVED YELLOW PURPLE TOP.** The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality and an excellent keeper. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

# GERMAIN'S TURNIPS

*Navet,* FR. *Navone,* ITAL. *Nabo,* SP. *Weissrueben,* GER.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use sow the Golden Ball or Purple Top Strap Leaf. Success depends upon the selection of soil and its subsequent preparation. Stir deeply.

**PURPLE TOP WHITE GLOBE.** By far the leading variety in the local markets on account of its uniform shape, attractive color and fine quality flesh. Is sweet and tender and is slow to get pithy. Ready for table in about 55 days, globe shaped, white in color with a purplish red top. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. $1.00.

**PURPLE TOP MILAN.** The best extra early sort, rather flat purple above ground and white beneath. Top small, quality fine; the best of the early kinds. Ready for the table in about 40 days. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 80c.

**EARLY WHITE FLAT DUTCH.** Best of the early flat white turnips, quick growing, mild and tender. About five inches in diameter and 2½ inches thick. Ready for the table in 45 days. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**PURPLE TOP STRAP LEAVED.** An excellent small topped flat variety. White in color with a purplish-red top and white flesh. A very mild turnip about five inches in diameter and 2½ inches long; ready for the table in 45 days. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

**EARLY SNOWBALL.** The best Pure White, globe shaped turnip, very fine and mild flavor. Ready for the table in 45 days. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**WHITE GLOBE POMERANIAN.** A large pure white variety excellent for table use when young, and fine as a stock feed when full grown. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**GOLDEN-BALL.** The finest of the yellow sorts. Top is small, roots medium size and excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**COW HORN.** This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**WHITE EGG.** An excellent home and market garden variety. Flesh white and sweet, egg shaped and about three inches long. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

# GERMAIN'S TOMATOES

New Stone or Norton

*Tomate*, Fr., *Pomo d'oro*, Ital. *Tomate*, Sp. *Liebesapfel*, Ger.

**Note**—Prices listed are postpaid.

**CULTURE.** Sow in hot bed or frame about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result . When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants.

**Health Properties of Tomato**
*Calories per lb. 104*
*Vitamins A, B, C, G*
*Proteins .9%*
*Carbohydrates 3.9%*
*Fats .4%*
*Calcium .011%*
*Iron .00044%*

**BREAK O'DAY.** One of the earliest varieties. Developed by the U. S. Dept. of Agriculture. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping as fruit is of beautiful color and a good shipper. A disease resistant variety—matures in 98 days. Pkt. 5c; oz. 45c; ¼ lb. $1.50; 1 lb. $4.50.

**EARLIANA.** The introduction of Earliana some years ago was an important event in tomato history, since that time there has been a number of Earliana Type Tomatoes introduced, all of which are selections of the original Earliana which still holds its place in the first early list, being hardy and productive, coming into fruit in the shortest time and rapidly maturing the entire crop of fine fruit. Fruits are globe shaped, somewhat flattened, deep scarlet and smooth. Matures in 94 days. Pkt. 10c; oz. 40c; ¼ lb. $1.35; 1 lb. $4.00.

**FIRST EARLY.** An exceptionally good strain of Earliana Type, fruit high color, solid and smooth. This tomato packs and ships very well and matures in 94 days. We recommend this variety as one of the best of the early tomatoes. Pkt. 10c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00.

**GLOBE.** Large fine pink main crop variety of very mild flavor and used very largely as a long distance shipper. Is globe shaped, of excellent quality and matures in 112 days. Pkt. 10c; oz. 40c; ¼ lb. $1.40; 1 lb. $4.25.

**NEW STONE OR NORTON.** Another Government production in the disease resistant list and an old standby among the main crop varieties. Solid, meaty and fine quality. Is an excellent shipper and is grown extensively along the west coast of Mexico where its wilt resistant qualities have made it very popular. Also in demand amongst canners. Matures in 120 days. Pkt. 10c; oz. 55c; ¼ lb. $1.85; 1 lb. $5.50.

**BEEFSTEAK OR PONDEROSA.** Regarded by many as the finest quality of any tomato grown. Very large, very solid and free from seeds; an attractive, pink, mild and pleasant; it is ideal for the home garden. Fruits weigh 9 to 12 ounces and mature in 118 days. Pkt. 10c; oz. 70c; ¼ lb. $2.35; 1 lb. $7.00.

Ponderosa

**STRAWBERRY OR GROUND CHERRY.** A distinct species; grows enclosed in a husk; excellent for preserves. Pkt. 10c; oz. 60c; ¼ lb. $2.00; 1 lb. $6.00.

**YELLOW PLUM.** Fruit plum-shaped, of clear, deep yellow color, used for preserving. Pkt. 10c; oz. 60c; ¼ lb. $2.00; 1 lb. $6.00.

**RED PLUM.** Small plum shaped, used for preserves. Pkt. 10c; oz. 60c; ¼ lb. $2.00; 1 lb. $6.00.

**MARGLOBE.** No other tomato in recent years has created the sensation Marglobe has. It is the result of the work of Government experts, in breeding a tomato resistant to wilt and has become in two or three years the leading variety among canners, shippers and market gardeners. The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright scarlet color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Fruits weigh 7 to 9 ounces and mature in 114 days. Pkt. 10c; oz. 50c; ¼ lb. $1.65; 1 lb. $5.00.

**SAN JOSE CANNER.** A favorite canning variety due to its enormous yield. We recommend it for this purpose. Is a very large tomato and matures in 120 days. Pkt. 5c; oz. 75c; ¼ lb. $2.50; 1 lb. $7.50.

**DWARF STONE.** A large tomato, bright red in color, globe shaped but somewhat flattened, very solid. Because of its heavy foliage this variety is very desirable for planting where protection of the fruits from the heat of the sun is desired. Matures in 132 days. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

**GREATER BALTIMORE.** A heavy cropper, deep scarlet in color, and very large. Shape flat, very smooth skinned and firm flesh. This is excellent for the home and market gardener. Matures in 83 days. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

**NUMBER 498.** Of the Earliana type, scarlet color, globe shaped and smooth. Probably the best of this type. We recommend this variety for critical grower trade. Pkt. 10c; oz. 50c; ¼ lb. $1.65; lb. $5.00.

**RED PEAR.** Small pear shaped for preserves. Pkt. 10c; oz. 60c; ¼ lb. $2.00; 1 lb. $6.00.

## SOMETHING NEW IN TOMATOES

**PEPPINESE.** The fruit is an average length of about 2 to 2½ inches, elongated, and resembles a pepper. Color is a bright crimson. This is a novelty that we feel will find a definite place not only as a home garden tomato but as a commercial item. It is a wonderful keeper and has a most attractive appearance. The flesh is so firm that one feels that it has some pepper blood in the plant. When cooked it makes a marvelous stew and for salads it is unsurpassed. To market gardeners we advise trying this out this year; to home growers, plant it by all means. Per packet 15c; oz. $1.20; ¼ lb. $4.00; 1 lb. $12.00.

Marglobe

# GERMAIN'S GRASS SEED

**Premium Brand Specially Recleaned** — **Unequalled for Purity and Germination**

A bright, velvety, well-groomed lawn is the first essential of an attractive home. However, just sowing any kind of grass seed will not produce a lawn of this character. The highest grade of recleaned grass seed must be planted if good results are to be expected. If chaffy, light weight and impure seed is sown, a ragged and weedy lawn will result. If heavy weight, extremely pure and thoroughly recleaned seed is sown your lawn will be a thing you will be proud of. Germain's Premium Lawn Grass Seeds are thoroughly recleaned in our specially built cleaning plant, the most complete in the West—and are therefore extremely pure, high in germination and free from weed seeds. Send for Free Pamphlet—"The Making and Care of Lawns."

## VARIETIES OF LAWN GRASS SEED

**Kentucky Blue Grass Seed** (Poa Pratensis). Premium Grade—Grown from specially selected strains in carefully selected fields, and thoroughly recleaned to remove chaff, impurities and weed seeds. This seed will give the highest satisfaction. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 65c; 10 lbs., $6.00 postpaid.

**White Clover** (Trifolium Repens). Premium Grade—We import our Premium Grade of White Clover Seed from European sources, where the finest grades of White Clover Seed are grown—and of the highest quality. Plant at the rate of 1 lb. to 200 sq. ft. then thoroughly reclean this seed to make doubly sure that it is Price per pound, 60c; 10 lbs., $5.50 postpaid.

**Kentucky Blue Grass and White Clover Mixed.** This favorite lawn seed mixture is made up of Premium Grade Seeds, mixed in the right proportion. We recommend this mixture as being the most satisfactory in general, for making new lawns. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 65c; 10 lbs., $6.00 postpaid.

**Domestic Rye Grass.** This seed is grown in the State of Oregon and our seed fields are carefully selected for freedom from weed seeds. It is an annual grass, quick growing and is very hardy. Price per pound, 25c; 10 lbs., $2.00 postpaid.

**Shady Lawn Grass.** A grass for that shady spot where other varieties of grass seed will not grow. You will find in this mixture of fine grasses just the thing for the north side of your home or that shady spot under your trees. Price per pound, 75c; 5 lbs., $3.50; 10 lbs., $6.75 postpaid.

**Australian or Perennial Rye Grass** (Lolium Perenne). While Rye Grass does not produce a lawn of as fine a texture as Blue Grass and Clover, it is extremely hardy, requires less fertile soil and withstands more hardships. Plant 1 lb. to every 100 sq. feet. Price per pound, 30c; 10 lbs., $2.50 postpaid.

**Pacey's or "Pacific" Rye Grass** (Lolium Perenne Pacey). Similar to Australian Rye Grass only it produces a finer blade and is therefore often preferred to the latter. Price per pound, 35c; 10 lbs., $3.00 postpaid.

**Bent Grasses:** See listing first column next page.

**Write for Quantity Prices.**

## NUVIDA PLANT FOOD

Nuvida Plant Food is manufactured by us and we guarantee that it contains all the elements required and in the proper proportion to produce a luxuriant growth. It is a clean, odorless material and, being quick in action, the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. 5 lb. carton, 40c; 10 lb. carton for 300 sq. ft., 70c; 25 lb. sack for 750 sq. ft., $1.15; 50 lb. sack for 1500 sq. ft., $2.00; 100 lb. sack for 3,000 sq. ft., $3.50, not prepaid. Write for Nuvida pamphlet.

## EMERALD LAWN GRASS

Since 1871, Germain's have sold Grass Seed to the home owners of California. We feel that we have contributed a great deal to the beauty of the homes of this state due to the fine strain of Lawn Grass Seeds sold by us during our 60 years of business. We have thoroughly and carefully cleaned this seed in the most modern and scientific cleaning plant in the west. The seed is mixed in proper proportions so that we are able to offer in our "EMERALD LAWN GRASS SEED" something vastly superior. Germain's recommend for those who want a green lawn the year around, to plant EMERALD LAWN GRASS SEED. Sow at the rate of one pound to 250 square feet. Price: 1 lb., 75c; 5 lbs., $3.50; 10 lbs., $6.75 postpaid.

New—No Muss

## FERTILIZER E-Z SPREADER

Quick—No Waste

**ONLY 85c or $1.00 POSTPAID**

Here is an inexpensive garden tool for evenly spreading commercial fertilizer on a grass lawn. It avoids the uneven wasteful method of broadcasting by hand. No portion of your lawn is neglected—no portion receives an excess. A large lawn can be covered in a few minutes. The hands need not touch the fertilizer at any stage of the work. It is made of an especially strong water-proof fibre paper—wooden handle attached to spreader by means of heavy iron wire attachment. The wheels are protected by iron tires. Complete instructions for assembling enclosed in package.

Germain's Premium

# GRASSES FOR GOLF COURSES

Greens and Fairways

*Used exclusively on many of California's noted Golf Courses*

Care must be taken to sow only the highest quality of recleaned grass seeds on golf courses, in order to avoid the trouble and expense of reseeding, and the weeding of greens, tees and fairways. Germain's "Premium Brand" seeds have been specially recleaned in our own grass seed cleaning plant, which is the most modern and complete in the West, to the maximum of purity and germination and they are unusually free from weed seeds. The amount of grass seed that should be planted for golf courses will run from about ninety pounds for the small fine seeds to three hundred pounds for the larger seeds, to the acre on fairways. For putting greens we recommend planting on the average of about one pound to every 150 square feet. We have not listed prices on large quantities of grass seed such as are often purchased by golf clubs. These prices will vary according to market conditions and will always be as low as is consistent with the market and the quality. **Kindly write us for special quotations in larger quantities than indicated herein.**

## BENT GRASS SEEDS

For Fine Lawns and Golf Greens

Bent Grass Seeds for lawn purposes have become quite popular during the last few years, especially for larger lawns and estates, where much care and attention is given to the lawn. Bent Grasses produce a very fine, beautiful and velvety lawn. Bent Grass Seeds should be sown at the rate of about 4 pounds to every 1,000 square feet. Write for our special pamphlet on Bent Grasses —it gives full details regarding the planting of and caring for Bent Grass Lawns.

### SEASIDE BENT

(Agrostis Maritima)

Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully recleaned in our own specially constructed seed cleaning plant, and is extremely pure and free from weed seeds. Price per pound $2.25; 5 lbs., $11.00 postpaid.

### ASTORIA BENT

This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful, thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper. Our "Premium Brand" Astoria Bent is unusually clean and free from weed seeds. Price per pound $2.25; 5 lbs., $11.00 postpaid.

### GREENSKEEPERS GREENS COMMITTEES

We invite correspondence on your golf course seeding problems. Information in regard to seed varieties and the planting and care of golf course turf will be gladly given to you with no obligation on your part.

A few of the many famous golf courses in the southwest that have planted Germain's Premium Grass seeds follow.

Rancho Golf Club, Los Angeles.
Rio Hondo Country Club, Huntington Park.
Hillcrest Country Club, Los Angeles.
Virginia Country Club, Long Beach.
Annandale Golf Course, Pasadena.
Hollywood Country Club, Hollywood.
Kern River Country Club, Bakersfield.
Riviera Golf Club, Los Angeles.
San Gabriel Country Club, San Gabriel.
Valley Club, Montecito.
Sunnyside Country Club, Fresno.
L.B. Municipal Golf Course, Long Beach.
Chandler Golf Course, Chandler, Arizona.
Cypress Point Golf Club, Del Monte.
Claremont Country Club, Oakland.
Victoria Golf Club, Riverside.
Del Mar Golf Club, Del Mar.
Flintridge Country Club, Pasadena.

Putting Green at the Annandale Country Club, Pasadena, Cal.

Picturesque Scene on the Cypress Point Golf Course
Del Monte, California.

The thirteenth green at the San Diego Country Club at Chula Vista.
Germain's "Premium Brand" Seaside is used here.

## MISCELLANEOUS GRASSES

For Golf Greens, Fairways and Lawns.

### RED TOP

(Agrostis Alba)

A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per pound 50c; 10 lbs., $4.50 postpaid.

### CHEWINGS FESCUE

(Festuca Species)

Used extensively on putting greens, fairways and tees on golf courses, and does well on most any kind of soil. It also produces a stiff, upright plant. Price per pound $1.25; 10 lbs., $12.00 postpaid.

### BERMUDA GRASS

(Cynodon Dactylon)

A broad leaved creeping grass, used for golf course fairways, polo and athletic fields. Will stand a great deal of hard usage. Price per pound 55c; 10 lbs., $5.00 postpaid.

### BUR CLOVER

(Medicago Arabica)

Used to a great extent for golf course fairways in California. Price per pound 40c; 10 lbs., $3.50 postpaid.

### ITALIAN RYE GRASS

(Lolium Italicum)

This is a very quick growing, short lived perennial grass. It has a tendency to grow in tufts, and has tall, broad, flat leaves. Price per pound 30c; 10 lbs., $2.50 postpaid.

### ROUGH STALKED MEADOW GRASS

(Poa Trivialis)

Makes an excellent turf both for lawns in shady places and for putting greens and fairways on golf courses. Leaves are very narrow and flat. Price per pound 75c; 10 lbs., $7.00 postpaid.

### MEADOW FESCUE

(Festuca Pratensis)

Produces very broad leaves. Used on golf courses on "the rough" and sometimes on the fairways. Price per pound 50c; 10 lbs., $4.50 postpaid.

### WOOD MEADOW GRASS

(Poa Nemoralis)

A very fine bladed grass, medium dark green in color, used in mixtures for shady spots. Price per pound $1.25; 10 lbs., $12.00 postpaid.

# GERMAIN'S QUALITY ALFALFA SEED

The two brands illustrated on this page have been selected by us to represent the highest qualities of Alfalfa seed that we believe are available. Seed that is packed under these two brands comes from carefully inspected fields that are absolutely true to type, of unusually high hay yields, and that are free from weed plants.

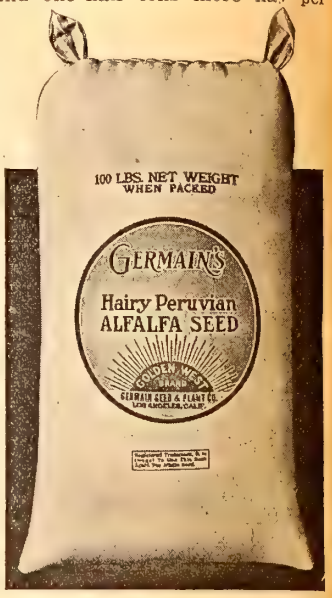
After harvesting the seed is re-cleaned on our modern seed cleaning machinery, resulting in uniformity of size and color, and freedom from chaff, dirt and weed seeds. The seed is then tested and must reach a high standard of purity and germination before being packed in sealed bags under Germain's Premium Brand Chilean and Golden West Brand Hairy Peruvian Alfalfa Seed. These brands have become the recognized standard of quality in Alfalfa Seed.

**Germain's Premium Brand Chilean (Common) Alfalfa Seed.**

Chilean or "Common" is the old type of Alfalfa Seed and is still the leading variety in use. It has given most satisfactory results under a variety of conditions and we can therefore unhesitatingly recommend its use. Price per lb. 40c; 10 lbs. $3.50, postpaid. Write for quantity prices.

**Germain's Golden West Brand Hairy Peruvian Alfalfa Seed.**

Hairy Peruvian Alfalfa Seed was first introduced by us in a commercial way to the farmers of California. In warm climates Germain's Golden West Brand Hairy Peruvian Alfalfa will produce an average of more than two and one-half tons more hay per acre than the Chilean Alfalfa Seed. It also has a longer producing season, is higher in food value and will recuperate more quickly after each cutting. We endorse and recommend this variety. Price per pound 40c; 10 lbs. $3.50, postpaid. Write for quantity prices.




"What 58 Years Have Taught About Alfalfa in California"

—is the name of a booklet published by us—send for it —FREE on request.

INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

## The Original Legume INOCULATOR

### ALFALFA, ALL CLOVERS

| Size to Treat | |
|---|---|
| 30 lbs. of seed ( ½ bu.) | $ .40 |
| 60 lbs. of seed (1 bu.) | .75 |
| 300 lbs. of seed (2½ bu.) | 1.50 |

When ordering, always specify kind of seed.

### PEAS, VETCH, BEANS AUSTRIAN WINTER PEAS

| Size to Treat | |
|---|---|
| 30 lbs. of seed ( ½ bu.) | $ .40 |
| 60 lbs. of seed (1 bu.) | .60 |
| 100 lbs. of seed (1 2/3 bu.) | .90 |
| 300 lbs. of seed (5 bu.) | 2.50 |

### SOY BEANS AND COW PEAS

| Size to Treat | |
|---|---|
| 60 lbs. of seed (1 bu.) | $ .40 |
| 120 lbs. of seed (2 bu.) | .70 |
| 300 lbs. of seed ( 5 bu.) | $1.50 |
| 600 lbs. of seed (10 bu.) | 2.50 |

## Use NITRAGIN and Increase Your Tonnage

Inoculation of Alfalfa and other legume seeds with NITRAGIN is of great importance to growers. All legumes require a great deal of nitrogen. If the nodules on the roots are not there in quantity, the plant uses nitrogen from the soil instead of taking the nitrogen from the air placing it in the soil.

NITRAGIN is a soil-like substance containing millions of nodule forming bacteria which draw nitrogen from the air and give it to the plant.

Inoculate your Alfalfa Seed and other legumes. It only costs 33c per acre.

When ordering please specify crop to be used on.

# MISCELLANEOUS FARM SEEDS

Quantity Prices and Samples on Request.

**BROOM CORN: CULTIVATION.** A thoroughly prepared seed bed is very essential and the soil should be in a moist condition at time of planting. Drill the seed in rows 30 to 60 inches apart at the rate of 6 to 8 lbs. of seed per acre. When the plants are up, thin out so that they stand 3 to 4 inches apart in the row.

**STERLING DWARF.** Price per pound 35c; 10 lbs. $3.00, postpaid.

**STANDARD TALL.** Price per pound 35c; 10 lbs. $3.00, postpaid.

**FLAX.** When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per lb. 30c; 10 lbs. $2.50, postpaid.

**PEANUT: VIRGINIA.** The best variety for roasting; 35c lb.; 10 lbs. $3.00, postpaid.

**PEANUT: SPANISH.** In addition to their value for nuts, these are very largely used in the South as a forage and fatten-crop for horses and other stock. In harvesting, the nuts hang to the vine and the tops and nuts are fed together to hogs, cows, and horses as a whole grain ration. Spanish peanuts grow in more compact form than the Virginia Peanuts, making it possible to grow them closer and making the cultivation easier. 35c per pound; 10 lbs. $3.00, postpaid.

**MILLET: GERMAN.** Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per lb. 25c; 10 lbs. $2.00, postpaid.

**MILLET: PROSO (Hog Millet or Broom Corn Millet).** Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per lb. 25c; 10 lbs. $2.00, postpaid.

**RAPE: DWARF ESSEX.** This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry. Plant 10 lbs. per acre. 25c per lb.; 10 lbs. $2.00, postpaid.

**SUNFLOWER: MAMMOTH RUSSIAN.** Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs. per acre. Per lb. 25c; 10 lbs. $2.00, postpaid.

# FIELD BEANS

Since field beans are usually planted in large quantities we would request those making large plantings to write us for special prices as we are in a position to offer selected, true type varieties at the lowest prices consistent with market conditions. Prices on small quantities of all the varieties listed below are as follows: **Per lb. 25c; 10 lbs. $2.00 postpaid, except where noted.**

**RED MEXICAN.** Grows like the Mexican Pink Bean, but is a much heavier yielder. Plant 30 to 40 pounds per acre.

**SMALL WHITE BEAN (Navy).** This is grown extensively on good soils. It is especially adapted to coastal valleys. Plant 25 to 30 lbs. per acre.

**LADY WASHINGTON.** Commonly known as the Large White Bean. It might be known as an all around bean, especially adapted to bottom lands and where moisture is easily obtained. Plant 25 to 30 pounds per acre.

**PINK BEAN.** Will grow almost anywhere provided it has plenty of moisture. Will withstand very hot weather, and ripens early in the season. Plant 30 to 40 pounds per acre.

**PINTO.** A spotted bean slightly smaller than the Red Mexican. Grown extensively in California, New Mexico and Arizona, and is a very good paying crop. Sow 25 to 35 pounds per acre.

**FIELD LIMA.** Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all lands subject to heavy fogs, such as the Coast district. Plant 50 to 60 pounds.

**RED KIDNEY.** Can be planted very early as it is a bush variety. May be planted in 18 to 24 inch rows and cultivated by hand. Splendid for table purposes; also becoming very extensively known commercially. Plant 40 to 50 pounds per acre.

**HENDERSON'S BUSH LIMA.** This variety is commonly known as the Baby Lima, being very small. It is unlike the large Lima bean in growth, as it can be raised in the interior dry sections. Plant 40 pounds per acre.

# GERMAIN'S CLOVER SEEDS

Quantity Prices and Samples Sent on Request  Inoculate Clover Seeds with NITRAGIN

The expense, time and labor involved in raising a crop is the same whether your crop be large or small. Any increase in tonnage is therefore a net profit. We recommend that all Clover Seeds be inoculated with Nitragin before planting. By inoculating with Nitragin at a cost of only 35c per acre, you can get a 50% larger tonnage in Clover crops. For particulars see page 78.

**MELILOTUS ALBA.** Melilotus Alba Clover is the only real rival to Alfalfa and has been recognized as one of the leading summer cover crops. It is a biennial and develops a tremendous tap root which penetrates the very hardest soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranchers are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water; in fact in some of the foothill sections of California the plant grows wild, reseeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed should be covered very lightly in a well prepared seed bed for best results. Prices: Per lb. 35c; 10-lb. lots $3.00, postpaid. Write for prices in larger quantities.

**MAMMOTH RED CLOVER OR COW GRASS (Trifolium Pratense Perenne).** This plant is a mammoth strain and therefore a taller grower than Red Clover as described above. Price per pound 45c; 10 lbs. $4.00, postpaid.

**ALSIKE (Trifolium Hybridum).** Very hardy, adapted for sowing on cold wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound 45c; 10 lbs. $4.00, postpaid.

**RED CLOVER (Trifolium Pratense).** Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotations. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive in slightly wetter land than Alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 15 pounds to the acre. Price per pound 45c; 10 lbs. $4.00, postpaid.

**WHITE CLOVER (Trifolium Repens).** Used in this section practically exclusively for lawn purposes. See page 2. Price per pound 60c; 10 lbs. $5.50, postpaid.

**BUR CLOVER.** Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Plant at the rate of 15 pounds per acre. Price per pound 40c; 10 lbs. $3.50, postpaid.

**MELILOTUS INDICA (Sour Clover).** An excellent cover crop. See page 80 for detailed information and prices.

**HUBAM CLOVER.** This plant differs from Melilotus Alba only in that it is an annual rather than a biennial. Therefore it will make more growth over a short period of time. It is popular among apiarists because it blossoms the first season planted and the blossoms provide ample supplies of food for the bees. It is very valuable for a cover crop and an excellent forage and hay crop. It is a heavy yielder and very drought resistant. Twelve pounds of seed will plant an acre of land and give maximum returns. Price per lb. 45c; 10 lbs. $4.00, postpaid.

**LADINO CLOVER.** This is a mammoth white clover growing very rapidly and furnishing an abundance of tender green feed, making it especially desirable for feeding young poultry. A new introduction but its increase in popularity amongst poultrymen indicates that it is a very valuable addition. Plant 8 pounds per acre. Price per lb. $1.25; 10 lbs. $12.00, postpaid.

# GERMAIN'S PASTURE AND HAY GRASSES

Write for quantity prices.

We have tried to list hereunder the chief varieties that have been successfully used in this section of the country. However, as a complete list of grasses will be too long to publish in this catalog we would appreciate your writing us for information and prices on any variety that you do not find listed herein and in which you may be interested.

**ALFILARIA (Filaree).** One of the hardy wild California grasses that makes very good pasturage and will grow most anywhere with practically no care. Plant 10 pounds per acre and let the rains drive the seed in. Price $1.50 per lb., postpaid.

**AWNLESS BROME GRASS (Bromus Inermis).** Is unexcelled as a pasture grass under conditions of drought. Plant 20 pounds to the acre. Price per pound 60c; 10 lbs. $5.50, postpaid.

**BERMUDA GRASS (Cynodon Dactylon).** This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Plant only in hot weather, and give plenty of water, as seed will not germinate in cool temperatures. Price per pound 55c; 10 lbs. $5.00, postpaid.

**DALLAS GRASS (Paspalum Dilatatum).** One of the best pasture grasses for it not only furnishes a highly relished stock feed, but it is very hardy. It grows on poor as well as rich soils and will not die out under conditions of drought. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. Is a vigorous grower and will choke out weeds. Plant 10 pounds to the acre. Price per pound 75c; 10 lbs. $7.00, postpaid.

**CHEWINGS FESCUE (Festuca Species).** A stiff upright grower commonly used in mixture with Clover and Red Top for pasture purposes. Does well on most any kind of soil and also in shady places. Plant 15 to 20 pounds per acre. Price per pound $1.25; 10 lbs. $12.00, postpaid.

**MEADOW FESCUE (Festuca Pratensis).** This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per pound 50c; 10 lbs. $4.50, postpaid.

**HARDING GRASS.** An excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter. Under good conditions this grass will pasture one cow per acre per year, and it never bloats. Plant in the early Spring at the rate of 2 to 4 lbs. per acre. Price per lb. $2.00, postpaid.

Prices given in this section are necessarily only for small quantities as the market prices of field seeds vary considerably throughout the year. Therefore if you are in the market for larger quantities please write us for quotations and we will at all times quote you the lowest possible prices consistent with the prevailing market conditions and the quality of the seed offered.

**MESQUITE (Holcus Lanatus).** Should be sown on burned over, virgin soils. No cultivation is necessary. Plant at the rate of 15 pounds per acre. Price per lb. 50c; 10 lbs. $4.50, postpaid.

**ORCHARD GRASS OR COCKSFOOT (Dactylis Glomerata).** Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcasted at the rate of 30 pounds per acre on well prepared soil. Price per pound 45c; 10 lbs. $4.00, postpaid.

**RED TOP (Agrostis Vulgaris).** A good perennial grass generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 pounds of seed to the acre. Price per lb. 50c; 10 lbs. $4.50, postpaid.

**ITALIAN RYE (Lolium Italicum).** A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb. 30c; 10 lbs. $2.50, postpaid.

**AUSTRALIAN RYE GRASS (Lolium Perenne).** A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Plant forty pounds per acre. Price per lb. 30c; 10 lbs. $2.50 postpaid.

**PACEY'S RYE GRASS.** Valuable as a green forage plant for growing on lands not easily cultivated. Broadcast seed at the rate of 40 pounds per acre. Price per lb. 35c; 10 lbs. $3.00, postpaid.

**RHODES GRASS (Chloris Cayana).** This grass bears pasturing very well, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste. Broadcast 12 pounds of seed per acre. Price per lb. 75c; 10 lbs. $6.50, postpaid.

**TIMOTHY (Phleum Pratense).** This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Price per lb. 50c; 10 lbs. $4.50, postpaid.

# GERMAIN'S FALL COVER CROP SEEDS

Prices of cover crop seeds listed below are postpaid in quantities up to and including ten pounds. Cover crop seeds are, however, often purchased in large quantities and we therefore request buyers of sack lots or over to write us for special quotations. Our stocks are all thoroughly recleaned to insure their being of high purity and germination and free from noxious weeds.

**PURPLE VETCH.** The unquestioned superiority of Purple Vetch for fall cover crop planting has caused so large a demand for this seed that in many seasons the supply has not been adequate to take care of the demand. It grows rapidly, withstands cool temperatures and is a very heavy nitrogen and humus producer. Is also becoming very popular for hay and silage purposes. Plant at rate of 40 lbs. to the acre.
We take special care in the production of our Purple Vetch Seed and our seed fields are rogued by hand to eliminate all off-type plants. Price per pound, 25c; 10 lbs., $2.00. Write for quantity prices.

**VETCH (Common).** Plant in the fall any time from the first of August to the first of January. Used by California orchardists as a cover crop to a large extent. Plant at the rate of 60 lbs. to the acre. Price per pound, 25c; 10 lbs., $2.00, postpaid.

**MELILOTUS ALBA (Sweet Clover).** A biennial legume having a deep sturdy tap-root penetrating plough-soles and hard-pans, which no other plant will do. It may also be used as a spring cover crop. See page 39 for detailed information. Price per lb., 35c; 10 lbs., $3.00, postpaid.

**BUR CLOVER.** Bur Clover is becoming increasingly popular as a cover crop seed for fall plantnig. The table shows it to be second only to Purple Vetch in the nitrogen production per acre. It thrives in shady locations where other leguminous crops fail. Broadcast at the rate of 15 lbs. per acre on well prepared soil. Price per lb., 40c; 10 lbs., $3.50 postpaid.

**HUBAM CLOVER.** An annual legume which makes an excellent cover crop for fall planting and may also be planted in the spring. See page 39 for detailed information. Price per lb., 45c; 10 lbs., $4.00, postpaid.

**MALVA.** This legume is finding favor for cover crop purposes where soil conditions are unfavorable. Price per lb., 35c; 10 lbs., $3.00, postpaid.

**CANADIAN FIELD PEAS.** This legume has the distinct advantage of being suited to late planting. Canadian Field Peas may be planted in cold weather and furnish a most valuable cover crop. Plant 75 lbs. to the acre. Price per lb., 25c; 10 lbs., $2.00 postpaid.

**MELILOTUS INDICA (Sour Clover).** This is the most popular cover crop in Southern California, and with the exception of Purple Vetch we can recommend it as the best cover crop to plant. Germain's were the original introducers of Melilotus Indica Seed in a commercial way to the farmers of California and each year we supply many hundreds of tons of this seed not only to the ranchers of this state, but also to the sugar planters of Louisiana and surrounding states to be used in renovating the soil in sugar plantations. Seeds should never be covered more than ½ inch. We publish a special pamphlet on Melilotus Indica Seed giving detailed information that space in this catalog will not permit. This circular will be gladly sent to you without charge upon request. Price per pound, 25c; 10 lbs., $2.00 postpaid. Write for quantity prices.

**YELLOW MUSTARD (Brassica Alba).** More commonly used than other varieties for sowing in orchards on account of the fact that crop is generally ready to plough under in three months. Plant at the rate of 8 to 10 lbs. per acre, August to December. Price per pound, 25c; 10 lbs., $2.00 postpaid.

**WILD BLACK MUSTARD (Brassica species).** Also successfully used as a non-leguminous cover crop. Is very similar in habit to the White Mustard. Price per pound, 20c; 10 lbs., $1.50, postpaid.

**TRIESTE MUSTARD (Brassica Juncea).** A greater tonnage can be obtained from this variety than the Yellow variety but its growth is slower. Price per lb., 25c; per 10 lbs., $2.00.

**BEANS: LARGE HORSE.** The seed is about an inch long and about one-half inch wide and flat in appearance. Plant 50 to 60 lbs. to the acre. Price per lb., 25c; 10 lbs., $2.00, postpaid.

**BEANS: SMALL HORSE (Manchurian Horse Beans).** Similar to the Large Horse Bean only smaller in size, but will yield the same amount of foliage. Plant 40 to 50 lbs. per acre. Price per lb., 25c; 10 lbs., $2.00, postpaid.

**BEANS: BELL TYPE HORSE.** This is a still smaller Horse Bean and is planted at the rate of 30 to 40 lbs. per acre. Price per lb., 25c; 10 lbs., $2.00, postpaid.

# SPRING COVER CROPS

### WHIPPOORWILL COW PEAS

This variety is especially recommended for its quick growing habits and therefore is an ideal variety as a cover crop to counteract the June drop. Whippoorwills will grow on practically all kinds of soils and are great nitrogen producers. Plant at the rate of 60 to 90 lbs. per acre in the spring or summer after the ground is thoroughly warm and all danger of frost is over. Price per lb., 25c; 10 lbs., $2.00, postpaid.

### BRABHAM COW PEAS

The Brabham is a crowder variety of Cow Pea, the culture and habits being very similar to the Whippoorwill. It, however, has the distinct advantage over the Whippoorwill in that it is nematode resistant. Price per lb. 25c; 10 lbs. $2.00, postpaid.

### BROWN VIRGINIA SOY BEANS

The Brown Virginia Soy Bean is far superior to all other varieties for cover crop purposes, as it is trailing in its habits, whereas most other Soy Beans are erect growers. Sow 30 to 45 lbs. to the acre if drilled, and 60 to 90 lbs. if broadcasted. Price per pound, 25c; 10 lbs., $2.00, postpaid.

### BLACKEYE BEANS

These Beans belong to the Cow Pea family and are often used for cover crop purposes with satisfactory results. Plant 30 lbs. to the acre. Price per pound, 25c; 10 lbs. $2.00, postpaid.

### SESBANIA

A cover crop that is especially adapted to hot climates and therefore is being used to a great extent for planting in the Imperial and Coachella Valleys. It is a leguminous plant containing an abundance of nitrogen bearing nodules on its heavy tap root. Plant at the rate of 12 lbs. to the acre. Price per pound, 25c; 10 lbs., $2.00, postpaid.

### TABLE OF RELATIVE VALUES OF COVER CROPS

*Compiled by W. M. Mertz from Experiments conducted at the University of California Citrus Experiment Station at Riverside.*

| Plot | Green Manure Crop | Average Tonnage of Green Manures on Acre Basis | Pounds Nitrogen Per Acre |
|---|---|---|---|
| 1 | **COMMON VETCH** | 12.0 | 129.6 |
| 2 | Non-Legume | 10.9 | 61.0 |
| 3 | Burr Clover | 12.7 | 161.3 |
| 4 | Non-Legume | 9.0 | 50.0 |
| 5 | **PURPLE VETCH** | 20.0 | 228.0 |
| 6 | Non-Legume | 9.7 | 54.3 |
| 7 | Vetch | 12.8 | 133.1 |
| 8 | Non-Legume | 9.2 | 51.5 |
| 9 | Canada Peas | 7.5 | 95.2 |
| 10 | Non-Legume | 11.0 | 61.6 |
| 11 | Tangier Peas | 13.7 | 135.6 |
| 12 | Non-Legume | 8.7 | 48.7 |
| 13 | **MELILOTUS INDICA** | 13.7 | 152.0 |
| 14 | Non-Legume | 10.5 | 58.8 |
| 15 | Fenugreek | 12.3 | 136.5 |
| 16 | Non-Legume | 8.9 | 49.8 |
| 17 | Lentils | 12.1 | 157.3 |
| | Average of Nine Legume Plots | 13.0 | 148.2 |
| | Average of Eight Non-Legume Plots | 9.7 | 54.3 |


INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

Prices Listed Are Postpaid.


**Alfalfa, All Clovers**

| Size to Treat | |
|---|---|
| 30 lbs. of seed ( ½ bu.) | $ .40 |
| 60 lbs. of seed (1 bu.) | .75 |
| 300 lbs. of seed (2½ bu.) | 1.50 |

When ordering, always specify kind of seed.

**Peas, Vetch, Beans, Austrian Winter Peas**

| Size to Treat | |
|---|---|
| 30 lbs. of seed ( ½ bu.) | $ .40 |
| 60 lbs. of seed (1 bu.) | .60 |
| 100 lbs. of seed (1⅔ bu.) | .90 |
| 300 lbs. of seed (5 bu.) | 2.50 |

**Soy Beans and Cow Peas**

| Size to Treat | |
|---|---|
| 60 lbs. of seed (1 bu.) | $ .40 |
| 120 lbs. of seed (2 bu.) | .70 |
| 300 lbs. of seed (5 bu.) | 1.50 |
| 600 lbs. of seed (10 bu.) | 2.50 |

# GERMAIN'S FIELD & ENSILAGE CORNS

**Note.** Prices on field corns listed below are postpaid in quantities up to and including ten pounds. If larger quantities are desired, write us for special quantity prices.

If grown for the corn, field corn should be drilled in rows three feet apart, and two feet apart in the rows, requiring about ten pounds per acre. If grown for ensilage, the rows should not be over one foot apart, and thirty inches apart in the rows, requiring 50 to 75 pounds to the acre.

## CORN--FIELD

**BIG JIM CORN.** Germain's Big Jim Corn has proven to be the greatest corn ever introduced in the Southwest. It has outyielded every other variety grown, some of the yields running as high as 100 bushels per acre. The ears of Big Jim Corn, usually borne two on each stalk, average from 10 to 14 inches in length and eight inches in circumference. The kernels are a rich yellow and very large. The cob is proportionately small. The stalks attain an enormous height, bearing an abundance of large leaves.

**FOR ENSILAGE.** Big Jim Corn produces such an enormous growth of stalks and leaves that it is unsurpassed as an ensilage corn. It is not uncommon for Big Jim to produce from 35 to 40 tons of green corn per acre when sown thickly enough. Furthermore, the feeding value of this silage is greatly increased by the heavy yield of grain.

**1 lb., postpaid, 25c; 10 lbs., postpaid, $2.00.**

**HICKORY KING, WHITE.** This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. Price per lb. 25c; 10 lbs., $2.00, postpaid.

**IMPROVED LEAMING CORN.** An excellent yellow field corn. 1 lb., 25c; 10 lbs., $2.00, postpaid.

**POP CORN** See page 58.

**BROOM CORN** See page 78.

## ENSILAGE CORN

**EUREKA ENSILAGE CORN.** Eureka Ensilage Corn is one of the heaviest yielding ensilage corns. It grows to an average height of 14 feet, has very leafy stalks bearing one to three ears to the stalk, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo, furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

**Price per lb., 25c; 10 lbs., $2.00, postpaid.**

**ORANGE COUNTY PROLIFIC.** Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes.

**Price per lb., 25c; 10 lbs., $2.00, postpaid.**
Write for quantity prices.

**MEXICAN JUNE CORN, WHITE.** Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes. 1 lb. 25c; 10 lbs. $2.00, postpaid.

**REID'S YELLOW DENT.** A very popular variety of yellow dent corn for seed and silage. Is a good yielder. Price per lb. 25c; 10 lbs. $2.00, postpaid.

**KING PHILIP, YELLOW.** This is a hard yellow flint corn and is generally referred to as ninety-day corn. It is drought resisting and will give a fair yield where most corns are a failure. 1 lb. 25c; 10 lbs. $2.00, postpaid.

Semesan Jr. should be used to disinfect seed corn before planting, to destroy such disease germs and fungus spores as adhere to the surface coat or in some cases exist internally. Semesan Jr. possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See page 103 for prices.

# GERMAIN'S SORGHUMS AND SUDAN

Write us for Quantity Prices and Samples.

**EARLY AMBER.** Furnishes most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 5 pounds per acre in drills three and a half to four feet apart. Per lb. 25c; 10 lbs. $2.00, postpaid.

**HONEY SORGHUM.** Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from eight to twelve feet. It is medium late maturing and has decidedly tender stalks, and is important from a forage standpoint. Yields an average of twenty-seven tons or over per acre. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3½ feet apart, using up to 5 pounds of seed per acre. Price per lb. 25c; 10 lb. lots $2.00, postpaid. Write for special prices in larger quantities.

## NON-SACCHARINE SORGHUMS

**DWARF MILO MAIZE.** Germain's select strain of Fancy Dwarf Milo is a unique type, growing to a uniform height of 4½ to 5 feet; its stalks being a mass of leaves overlapping each other and under average conditions yielding from 2 to 2½ tons of threshed grain per acre. It is drought resisting, a vigorous producer, easy to harvest and it is the finest grain we know. Plant six pounds per acre in rows 3 feet apart and plant six to twelve inches apart in a row. Planting should be done in the spring, after all danger of frost is past and when the ground is warm. Price per lb. 25c; 10 lbs. $2.00, postpaid; 25 lbs. $4.00.

**DOUBLE DWARF MILO MAIZE.** Similar in all its characteristics to the Dwarf Milo Maize except in height. This strain grows 2 to 2½ feet tall and therefore can be combined. Planting instructions are the same as the Dwarf Milo Maize. Our seed of this variety is carefully selected for trueness to type and uniformity. Price per pound 25c; 10 lbs. $2.00; 25 lbs. $4.00, postpaid.

**WONDER FORAGE PLANT.** A variety of Sorghum which we highly recommend. A very heavy yielder due to its habit of stooling. The stems are succulent and sweet. We recommend five pounds drilled, twenty pounds broadcast, to the acre. Price per lb. 35c; 10 lbs. $3.00.

**SUDAN GRASS.** Is the most drought resisting annual ever introduced. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall. The price is 1 lb. 35c; 10 lbs. $3.00, postpaid.

**EGYPTIAN CORN.** This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb. 25c; 10 lbs. $2.00, postpaid.

**FETERITA.** An early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 6 pounds to the acre. Price per lb. 25c; 10 lbs. $2.00, postpaid.

**WHITE KAFFIR.** Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drought sections and to break up new ground for other crops. Cattle relish the stalks; the grain is valuable food for poultry. Plant six pounds to the acre. Price per pound 25c; 10 lbs. $2.00, postpaid.

**HEGARI.** The seed is round and white and does not shatter very readily. The heads grow very erect. It is drought resisting and stands some alkali. Plant six pounds to the acre. Price per pound 25c; 10 lbs. $2.00, postpaid.

# CEREAL GRAINS

Write for Quantity Prices

We carry in stock the following Grain Seed. Due to market changes, we are unable to list prices. We solicit your inquiry and will be pleased to quote you the lowest possible prices on your seeds. Samples will be sent when requested. BARLEY, Beardless, Common; OATS, Red Rust Proof (Texas Grown), Red Rust Proof (California Grown), Kanota; BUCKWHEAT, Japanese; RYE, Common or Winter; WHEAT, Federation, Sonora, Turkey Red, Early Baart.

# GERMAIN'S ROSES

## Bush and Climbing Roses

Lucie Marie
One of the newer two-toned varieties.

When you plant Germain's Roses of Quality you do so with the assurance that you have secured for your garden, Roses which are unsurpassed in quality anywhere in America. For America is now coming to California for its Roses and it is in the best Rose District in Southern California that Germain's Roses are grown. They are produced under the most up-to-date methods by experts, budded on extra strong stock and grown on for two years in the field, closely inspected at regular intervals and finally dug and graded to strictly A-1 size.

Every one of Germain's Roses is guaranteed to bloom for you at the first blooming period which is within a few weeks after planting depending on the region in which it is planted. You can definitely know that our roses will bloom for you the same spring in which they are put in the ground, all through the season and for many, many succeeding years.

Roses are virtually a necessity in the well-planned garden. They are a prominent and permanent feature of it, and if well chosen they will bring much beauty and happiness into your life.

It is important, therefore, that you make your selections from a reliable source such as Germain's and know that your roses are not only full-grown, but are also thoroughly healthy, budded on vigorous understock and free from the contamination of injurious insects and other garden pests.

Our present listing contains many valuable novelties, including the finest introductions by American as well as European specialists, and we have retained all the most worthwhile varieties among the older favorites. It has been our constant aim in making our selection to eliminate all useless duplications and prevent our list from becoming so unwieldy as to be confusing to customers.

**All Prices on Bush and Climbing Roses Include Postage Anywhere in U.S.A. and Possessions**

## HINTS ON ROSE GROWING

### PREPARATION OF SOIL

To obtain best results, the important part is soil preparation. Spade 18 inches deep, well pulverized and enriched to about one-fifth of its bulk with well-rotted barnyard manure.

### PLANTING

Plant the roses at once, but if impossible, place them in a shady place, cover the roots with soil, and water thoroughly. Place plants in an upright position, working the soil around roots a little at a time, treading firmly with the foot. Leave a shallow depression and fill with water as soon as planted and again after water has seeped away.

### WATERING AND CULTIVATION

During the growing season roses require a liberal supply of water and should be cultivated regularly through the summer months.
A thorough irrigation every week, soaking the soil to a depth of 18 inches or 2 feet, is usually sufficient. Be sure, however, that the water penetrates to the required depth, do not "sprinkle" and think you are watering.

### MULCHING

In order to avoid the frequent cultivation necessary during the summer months, many rose growers resort to mulching. We recommend for this purpose a layer about 2 inches thick of GERMAIN'S PEAT MULL. This material is finely shredded and of a neutral brown color. It has a certain food value, keeps down weeds, and through slow fermentation promotes a beneficial acid condition in the soil.

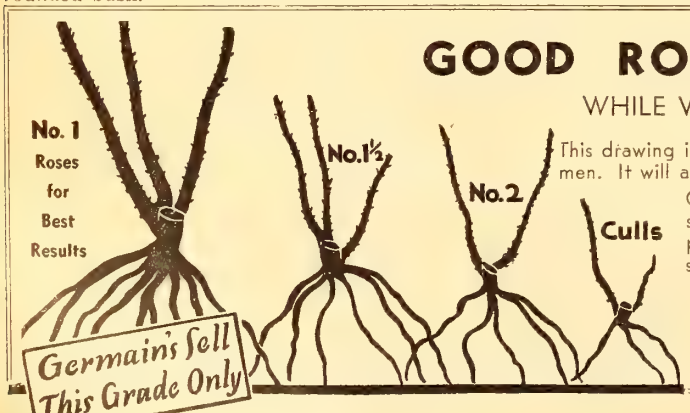
### PRUNING

The aim in pruning should be to eliminate all undesirable growth and to so reduce the remaining branches that a well-balanced, thrifty plant will result when renewed growth begins.
Cut away entirely all weak growth and all branches on which the bark shows signs of disease (cracks, discoloration, etc.). Then prune back the remaining strong and healthy branches about 1/3 or even 1/2 their original height, according to the type or variety.
In pruning use a sharp pair of shears or a keen-edged knife and make a clean, slightly sloping cut just above a good strong eye. Choose one pointing outward from the center; this will help to build an open, well-rounded bush.

A View of One of Germain's

### CUTTING OF FLOWERS

Do not be afraid to cut the flowers from your plants, as this will do them no harm. A good rule to follow when picking the blooms is to cut the flowering stem back to within 2 or 3 leaves from where it branches out of the main stem.




## GOOD ROSES ARE PERMANENT

### WHILE WEAK STOCK QUICKLY DETERIORATES

This drawing illustrates the grading of roses by the American Association of Nurserymen. It will assist you in selecting the proper type.

Germain's handle and sell only the NUMBER ONE GRADE, which assures you that they will blossom at the first blooming period after planting. Bargain prices in Roses should be carefully scrutinized; you should know what you are getting.

**For only a few cents more you can**

**BUY THE BEST**

# America's Best

## Tree or Standard Roses

The vogue of the Tree or Standard Rose is sweeping through the whole nation and deservedly so. For lining driveways or walks, as lawn or parking specimens there is really nothing that provides the beauty and color of the Tree Rose. And in addition there are beautiful blossoms on long stems for cutting purposes.

The increasing demand has enabled us to grow them on a far larger scale resulting in economy of production which we have steadily translated into lowered prices, thus making Tree Roses available for every home regardless of size at prices within the reach of all.

More pertinent descriptions of these roses may be found on the following pages devoted to the same varieties in bush form.

NOTE — All tree roses are shipped via Express Collect the transportation charge being paid at point of delivery.

All of Germain's Tree Roses are triple budded on strong 42-inch stems and have nicely well branched heads.

### THREE NEW VARIETIES

**COUNTESS VANDAL.** A vigorous grower with attractive orange-copper buds. The blossoms are large, double, and have a rich fragrance. In the open flower the copper bronze suffuses salmon pink to make a glowing and striking flower. Each $2.50.

**ESSENCE.** Offered for the first time in a tree-shape plant. A deep crimson flower similar in form and color to Etoile de Hollande but larger and more double. Each $2.

**RED HOOVER.** A rose that has the blood of the Hoover bush rose is bound to be a vigorous, strong grower and an excellent tree rose. Here is the Hoover rose but entirely different in color. A clear bright red. Each $2.00.

Rose Growing Grounds

**All Germain's Tree Roses are triple budded on strong IXL stock. The heads are two years old.**

ANGELE PERNET—Orange shaded apricot.
AUTUMN—Burnt orange with red.
DAME EDITH HELEN—Soft rose pink.
DUCHESS OF ATHOLL—Old golden orange.
E. G. HILL—Scarlet shading to deep red.
FEU JOSEPH LOOYMANS—Apricot yellow.
GOLDEN DAWN—Soft lemon yellow.
GOLDEN EMBLEM—Deep yellow with red
HADLEY—Rich velvety red.
IMPERIAL POTENTATE—Clear rose.
KAISERIN AUGUSTE VICTORIA—Pure white.
LOS ANGELES—Flame pink.
MARGARET McGREDY—Turkish red.
McGREDY'S SCARLET—Lovely rose red.
MRS. E. P. THOM—Rich lemon yellow.
MRS. G. A. VAN ROSSEM—Orange and apricot.
PADRE—Cadmium scarlet with yellow.
PRESIDENT HOOVER—Pink, yellow and orange.
RED RADIANCE—Bright rosy red
ROSE MARIE—Pure pink.
SOUV. DE CLAUDIUS PERNET—Clear yellow.
TALISMAN—Yellow, pink and scarlet.
VILLE DE PARIS—Rich buttercup yellow.

**Price: Any of the above $1.75 Each—$17.50 Dozen.**

### TWO COLOR COMBINATIONS

The tree rose lends itself to the opportunity of budding more than one variety on the same tree. The result is a unique and entrancingly beautiful blending of colors that makes this form a splendid ornamental addition to the home grounds and garden.

MRS. E. P. THOM, Yellow and E. G. HILL, Scarlet.
CLAUDIUS PERNET, Yellow and IMPERIAL POTENTATE, Rose pink.
HADLEY, Crimson and KAISERIN A. VICTORIA, White.
E. G. HILL, Red and TALISMAN, Red, yellow and apricot.

Any of the above 2 color combinations, $2.00 each.
One of each, 4 in all, $6.75. Express collect.

### THREE COLOR COMBINATIONS

Here we have the last word in Tree Roses. The combined three color effect on one tree is superb.

COMBINATION NO. 1—E. G. Hill, red; Duchess of Atholl, orange; and Mrs. E. P. Thom, yellow.
COMBINATION NO. 2—Hadley, red; Kaiserin Victoria, white; and Ville de Paris, yellow.
COMBINATION NO. 3—Hadley, red; Claudius Pernet, yellow; and Imperial Potentate, pink.

Any of the above 3 color combinations $2.50 each.
One of each, 3 in all, $6.75. Express collect.

Belle of Portugal Rose at the home of Bishop Reifsnider. St. Paul's University, Tokio, Japan. Germain's Roses.

# GERMAIN'S ROSES

Essence

**ESSENCE.** The long-sought double Etoile de Hollande. Bloom deep crimson full of "Essence" of Rose. Novelty of great future. Vigorous grower. One of the most fragrant of roses and perfect in form and color. 75c each.

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**AMELIA EARHART (Plant Patent No. 63).** (See back cover). Large ovoid bud, cream with blushes; flowers very full, graduating from a deep yellow center to an outer collarette of large cream petals with a blush overtone; extremely fragrant; strong grower; free bloomer; leathery dark green foliage. A worth while addition. $1.50.

**BETTER TIMES (Plant Patent No. 23).** (See back cover.) The brilliant cerise flowers are large, double, and delicately fragrant. Being produced on long stems, they are excellent for cutting; foliage is leathery, dark green; a very free bloomer. $1.50.

**COUNTESS VANDAL (Plant Patent No. 38).** (See back cover.) It is a hybrid tea rose enthusiastically received by rose lovers. Long pointed bud and distinctive shadings of coppery-bronze, suffused with soft gold. The blooms finish in a very unusual arrangement of petals reflexed with a silvery sheen. Many thousands admired the large bed in the rose garden at the Century of Progress Exposition. The plant is very vigorous and blooms unceasingly throughout the year. $1.00.

**LUCIE MARIE.** Very long pointed buds, deep yellow splashed with red. As the outer petals unfold, the inner face is yellow with coppery venation with the tips of the petals lightly touched with pink, slightly fragrant. It is of strong vigorous healthy habit of growth. 75c each, (See picture on page 82.)

Mrs. Pierre S. Du Pont

**MRS. PIERRE S. DU PONT.** Medium sized long-pointed bud of a reddish gold opening to a semi-double, cupped, very lasting fragrant flower of a deep golden yellow. The plant is of strong vigorous compact growth. A profuse and continuous bloomer. 75c each.

**MARY HART (Plant Patent No. 8.)** (See back cover.) striking red sport of Talisman. The bud is maroon red, opening to well formed blossoms of deep velvety blood-red with an overglow of amber. Unlike most red roses, Mary Hart does not wilt or dry out when cut, but opens perfectly. $1.00.

**MAX KRAUSE.** Probably the most yellow Rose of the year for outdoor use—a gold that stays gold. Long bud and cup formed bloom of great substance freely borne on a long stem. Foliage leathery and very resistant to Rose troubles. One of the few roses we have seen that retains its color through the blooming period. $1.00 each.

**McGREDY'S SCARLET.** A splendid garden Rose. The finely formed bud is dull red and opens slowly into a magnificent, very large bloom of rose red, which lasts a long time, the inside of the petals a brilliant scarlet. 75c each.

**MRS. J. D. EISELE. (Plant Patent No. 67.)** So richly scented are the blooms that the name "The Perfumed Rose" accurately describes the intense fragrance. Perfect in form from the expanding buds to the fully developed stage. Long, pointed buds opening into flowers from five to six inches in diameter, of a bright cherry rose shade deepened with scarlet. The blooms last a full week in good condition. $1.50 each.

Autumn

**AUTUMN.** Medium sized buds and cupped double flowers which, on account of their novel coloring, burnt orange streaked with red, have attracted much attention. The plant is of strong growth with healthy foliage, producing its moderately fragrant flowers freely. One of the best of the new introductions. 75c each.

### Germain's "NOVELTY COLLECTION"

A remarkably fine assortment of exquisite roses, one that includes a splendid variation of color. All are profuse blooming, and will provide a plentiful supply of blossoms for cutting.

Plant these newer sorts and judge for yourself the great development in form, color, type, and fragrance as compared with the older varieties.

Included are:

AUTUMN — ESSENCE
RED HOOVER — ROMANCE
MRS. SAM McGREDY
SOUV. DE MME. CHAMBARD

Regular price if purchased separately $5.25

Collection price **$4.25** postpaid

Full descriptions will be found on these pages.

**A superlative list of new roses which we are introducing this year and others that were novelties of the past season. There are scores of new varieties each year and the Rose grower selects those sorts which fill a place in the Rose World. New colors, larger flowers, better habits of growth, a greater profusion of bloom, are all factors in the selective work.**

Grenoble

**GRENOBLE.** The citizens of Grenoble, France, thought enough of this red Rose to ask the originator, Charles Mallerin, to name it for their city. The plant is very vigorous and the blooms come on unusually long stems, making it one of the best garden Roses for cutting. The buds are crimson, but the open flower is brilliant red, almost scarlet, and a bed of Grenoble stands out like a fire. It is fully double and of large size. Easily one of the best reds. 75c each.

**ROSES, by F. F. Rockwell**

A book that tells what the average flower lover can do with roses. Varieties are classified according to their uses as garden, climbing and landscape roses, with complete directions for rose care and culture. $1.25.

Olympiad

**OLYMPIAD.** The color is a lustrous oriental scarlet, its depth and warmth accentuated by a bright golden base. This richness is further intensified by a marvelous velvety sheen that renders the flower exceedingly effective, especially in artificial light. 75c each.

# NOVELTIES OF 1935

There are many exceptionally fine varieties that we are offering for the first time. The pick of the foremost Rose Specialist's introductions will be found on this and the preceding pages. We confidently offer them for your attention . . . knowing that a careful perusal of these pages will lead you to choose those varieties that best fit your own sense of the beautiful.

Souv. de Mme. C. Chambard

**SOUV. DE MME. C. CHAMBARD.** There just does not seem to be the right kind of words in the dictionary to describe this lovely Rose. This rose was chosen as the most beautiful Rose of France in 1932. The buds are large, long-pointed, and coral in color; they slowly unfold to a coral-pink flower developing a satiny peach tint and sheen which is about the loveliest finish we have ever seen on a rose petal. Its fragrance is simply delicious. $1.00 each.

**LANDSCAPING THE HOME GROUNDS**
By L. W. Ramsey

Step by step, with photographs and plans that make each point clear, this new book shows just how to develop your home grounds for greatest beauty. Each of the 175 illustrations tells a story. $2.00.

Sister Therese

**SISTER THERESE.** Its long-pointed buds are chrome-yellow, heavily marked with carmine; the open flower is rich daffodil-yellow and holds its color well. Sweetbriar fragrance. The blooms come freely on splendid cutting stems. A splendid keeper and has very good foliage. $1.00 each.

**MRS. SAM McGREDY.** Distinct in color from anything as yet seen in roses, being a wonderful and beautiful combination of shades of scarlet, coppery-orange and heavily flushed on the outside of petals with Lincoln-red. The effect is rich and dazzling. Large flowers perfectly formed, very freely produced and fragrant. Vigorous in growth and one of the best all purpose varieties. 75c each.

**NIGRETTE** (Plant Patent No. 87.) (See back cover.) "The Black Rose of Sangerhausen." The cup-shaped flowers are intensely deep maroon with blackish velvet sheen and are deliciously fragrant. It is the darkest of Roses, appearing almost black from a little distance. The petals do not burn in the sun. The plant is continuously in bloom, spending most of its energy in forming blossoms. The sensation of the European Rose world is now available for the first time in this country. $2.00.

**RED HOOVER.** A new sport from the rose President Hoover that combines all the good points of the parent, but an entirely different shade. The color is a beautiful bright red equally satisfactory in the bud or open flower. Remarkably free flowering and among the most vigorous growers of all hybrid tea roses. Long, pointed buds and large open flowers that are delightfully fragrant. $1.00 each.

Dotty

**DOTTY.** Coloring of the bud strongly recalls Rev. F. Page Roberts, while the bronze tint remains in the open yellow bloom. A splendid grower with glossy foliage. An unusually healthy bush that blooms profusely over a long period. The bronze yellow color is one of the most beautiful yet obtained in roses. 75c each

**Germain's**
**"1935 ROSE COLLECTION"**

In this assortment we have included most of the 1935 novelties pictured or described on these pages. We believe you will derive lasting satisfaction in planting the newer kinds. For providing beauty in the garden or home they are unsurpassed.
The collection consists of:

| | |
|---|---|
| AUTUMN | DOTTY |
| ESSENCE | GRENOBLE |
| LUCIE MARIE | MAX KRAUSE |
| McGREDY'S SCARLET | MRS. DUPONT |
| OLYMPIAD | ROMANCE |
| SISTER THERESE | SUNKIST |

Regular Value - $10.00

Collection Price: **$7.95,** postpaid

Souvenir

**SOUVENIR.** (Plant Patent No. 25). "Yellow Talisman." A golden Talisman of great beauty with all the fine qualities of Talisman from which it is a sport. An exquisite bud opening to a full flower of a splendid golden yellow, suffused at times with a slight flush of pink. A large full flower, heavily petaled, an even better grower than Talisman. $1.00 each.

**ROMANCE.** A rose that combines the good features of the popular Souvenir de Claudius Pernet but is a decided improvement in that the bad features of the latter are eliminated. A striking shade of yellow with long, pointed bud of exquisite shape and large double fragrant flower. Vigorous in habit, blooming frequently over a long period. $1.00 each.

**SUNKIST.** The long, beautifully shaped buds and full, open flowers have a predominating color of glorious deep orange-yellow with varying tints of copper, buff, and bronzy pink. The flowers are sweetly fragrant and keep in splendid condition for three or four days after cutting, this long-keeping quality making this lovely rose a very desirable one for cut flowers. $1.00 each.

**TOKEN** (Plant Patent No. 95). (See back cover.) Large Ophelia-shaped bud. The full, double flowers are a single-toned glowing orange— a unique color. It is a free bloomer and has an upright growth in the garden. The flowers are very lasting and are pleasing at all stages. The glossy foliage is disease-resistant. $1.50.

Yosemite

**YOSEMITE.** (Patent applied for). A new seedling that is a beautiful coppery orange, very outstanding for its free blooming qualities constantly throughout the season. Erect stems and glossy foliage and disease-resistant. This rose is one of the most profuse blooming we have ever seen in roses, providing literally dozens of perfectly formed flowers in one season from one bush. $1.50 each.

# GERMAIN'S ROSES

Duchess of Atholl

**DUCHESS OF ATHOLL.** The coloring of this new variety is uncommon and delightful, an old golden orange flushed with peach pink, particularly attractive in the bud and open state, growth vigorous, a continuous profuse bloomer.

Rose Marie

**ROSE MARIE.** The buds are long and pointed, the petals large and well-rounded. The color is a delightful pure rose pink.

Edith Nellie Perkins

**EDITH NELLIE PERKINS.** The buds are long and pointed, the outside of the petals are of cream and blush shaded with orange at the base, the inner face is salmon-pink with golden-orange base; the flowers are moderately double, produced on long stems and sweetly scented.

**AMERICAN BEAUTY.** One of the best for the hot interior sections of the Western United States. Throws especially fine, large blossoms during early fall and spring. Fragrant.

**ANGELE PERNET.** A rose that attracts immediate attention. A vivid orange-yellow, shaded fiery deep reddish apricot. It is a good grower, producing a long bud opening to a moderately full, beautiful sweet scented flower.

**BLACK PRINCE.** Intensely dark crimson, approaching black. Flower cup shaped, large and full, an old favorite. Bush is extremely hardy. Fragrant.

**CECILE BRUNNER.** This is the popular Baby Pink or "Sweetheart" Rose. It makes a handsome miniature rose, coming in sprays of three to five buds. Color, blush, shaded light salmon-pink; distinct and desirable.

**DAME EDITH HELEN.** Pure, glowing rose-pink, soft yet brilliant, with no other shade. A magnificent variety that stands out alone in almost any company. Buds are perfect and flowers represent one of the highest standards thus far attained in exhibition blooms, being of impressive size, quite full, and produced singly on well-foliaged strong canes. Strongly sweet-scented, lasting, and fine cut subjects individually or massed.

**DUCHESS OF WELLINGTON.** Saffron yellow stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds pointed, very free flowering.

**ETOILE DE HOLLAND.** Brilliant red blooms of large size, perfect in the half open state, petals extremely large, a rose that holds its color well and is comparable with the best red roses grown. Very fragrant.

**FEU JOSEPH LOOYMANS.** Long pointed buds of tangerine yellow with a very vivid apricot center. Greatly admired wherever seen for its unusually striking color. The open flower is of large size with a spicy fragrance.

**FRAU KARL DRUSCHKI OR WHITE AMERICAN BEAUTY.** An ideal hardy white rose, pure white in color. A remarkably vigorous grower. Free flowering to a degree. In our opinion, the best of all white roses.

**GEN. McARTHUR.** One of the most popular and freest blooming of all red garden roses. Color is a bright rosy crimson. Especially valuable for bedding purposes. Fragrant.

**GEORGE ELGER OR YELLOW CECILE BRUNNER.** A counterpart of the popular salmon pink Cecile Brunner only the color is a clear lemon yellow. A popular yellow "Baby Rose."

**GLORIA MUNDI.** A "Baby" rose that is a most striking new orange scarlet, the most brilliant orange-scarlet imaginable. The flowers are well-formed, full double and borne in many flowered graceful clusters.

**GOLDEN DAWN.** A magnificent Rose of Australian origin. An ideal garden Rose of great merit of an exquisite light lemon yellow color. Its buds are heavily splashed with crimson before opening and develop into splendidly shaped full double moderately fragrant flowers.

**GOLDEN EMBLEM.** Golden yellow in color, having a crimson stripe on outer petals, with high pointed center; tea perfume. Growth free and branching with splendid constitution, deep glossy green foliage, stout stalks and mildew-proof. One of the best yellow roses grown.

**HADLEY.** A rich glorious red shading to velvety purple. Flowers exceedingly fragrant. Buds are high and pointed. A rose that should be in every collecton. Highly recommended.

**HOOSIER BEAUTY.** A dark rich velvety crimson of even color. Produces long stems. Flower is double and pointed. Sweetly scented. Not inclined to mildew. With the Hadley this variety can be rated as one of the best reds.

**IMPERIAL POTENTATE.** Exquisite in bud and developing into large, very double, substantial flowers, very prolific and delightfully tea-scented. The color is a pleasing shade of deep, clear rose pink.

The varieties listed and described on this and the following page are the novelties of previous years that have proven their merit, together with the older sorts that still hold their

**All Roses on this page are 50c each; $5.00 per dozen, postpaid.**

**GERMAIN'S "PICTURE COLLECTION"**

Includes the eight varieties pictured on these two pages

Duchess of Atholl - Rose Marie
Edith Nellie Perkins - E. G. Hill
Joanna Hill - Caledonia
Lady Forteviot - Charles P. Kilham

Regular Value, $4.00
Collection Price, $3.25
Postpaid

**IRISH ELEGANS.** A beautiful single rose of fine form, long and pointed. Color bronzy-orange to pink, shaded to apricot. An excellent rose for corsages.

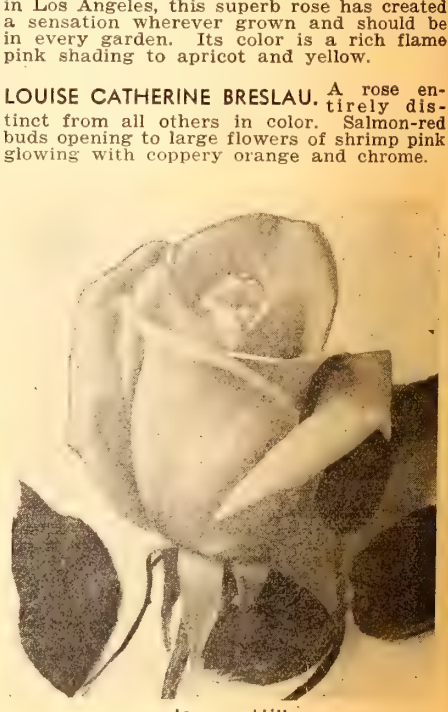
**KAISERIN AUGUSTE VICTORIA.** A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers.

**LADY HILLINGDON.** Slender, pointed buds and elegantly cupped flowers of deep saffron-yellow, paling toward the edges and becoming lighter as they expand; fragrant. The plant is erect with perfect foliage.

**LADY MARGARET STEWART.** A rose of unique and distinct color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet with the reverse petals suffused with carmine.

**LOS ANGELES.** A world-renowned "Gold Medal" variety. Originated in Los Angeles, this superb rose has created a sensation wherever grown and should be in every garden. Its color is a rich flame pink shading to apricot and yellow.

**LOUISE CATHERINE BRESLAU.** A rose entirely distinct from all others in color. Salmon-red buds opening to large flowers of shrimp pink glowing with coppery orange and chrome.



Joanna Hill

**JOANNA HILL.** Large buds and blooms that are high pointed. Color is a delicate shade of golden yellow, deepening toward the center to a warm apricot tinge. Fragrant and free flowering and especially fine for cutting.

# America's Best

own with the new introductions. Nevertheless year after year some varieties are discarded to make room for the newer roses that show a decided improvement over them.

**All Roses on this page are 50c each; $5.00 dozen, postpaid.**

**GERMAIN'S "HARMONY COLLECTION"**

Includes eight varieties that blend perfectly in color.

Etoile De Holland - Mrs. E. P. Thom
Feu Joseph Looymans - Talisman
Kaiserin Victoria - Mrs. L. Swisher
Los Angeles - Miss Rowena Thom

Regular value, $4.00
Collection price, $3.25
Postpaid

**LORD CHARLEMONT.** A gorgeous and brilliant dark red rose with blossoms of intense, clear, crimson-scarlet, deepening to carmine crimson with almost black shadings. Perfectly shaped long pointed buds and large double fragrant flowers.

**MARGARET McGREDY.** Another rose that offers a distinctly new color in roses. Large brilliantly colored double flowers of an entrancing shade of Oriental red, passing to carmine-rose. A rose that keeps for a long time.

**MISS ROWENA THOM.** A California introduction that has received favorable comment from rose lovers everywhere. Buds are very large and long pointed—enormous flowers five to six inches across, fully double and opening perfectly. A color blend of fiery rose and rosy mauve with old gold.

**MADAME BUTTERFLY.** Light salmon with light yellow shadings, a perfect gem. Foliage leathery, stems strong, a fine variety for cut flower.

**MME. EDOUARD HERRIOT.** The famous Daily Mail Rose. Buds coral red shaded with yellow at the base. Open flowers of medium size, when fully expanded they take on a superb coral red color.

Lady Forteviot

**LADY FORTEVIOT.** Large buds opening to artistic moderately-double, well-lasting flowers of delightful fruity fragrance and pleasing color—orange on the inner face with a bright canary-yellow base and the back of the petals paler and inclined to apricot.

**MME. JULES BOUCHE.** The ideal white bedding rose. Buds of good size, long pointed; flowers full double, very lasting, moderately fragrant, white, center faintly tinted blush, borne singly on long stems.

**MME. NICOLAS AUSSEL.** In color a bright coppery red in the very long, shapely tapering bud that develops into a large full double flower of an exquisite opalescent salmon pink. Growth vigorous and healthy, free and continuous bloomer.

**MRS. A. R. BARRACLOUGH.** One of the finest Roses yet introduced. We have in this variety a most distinct and valuable addition, of a bright but soft sparkling carmine-pink of even tone that passes to yellow at the base of the petals; this attractive color does not fade as the flower ages, but if anything becomes richer and brighter.

**MRS. ERSKINE PEMBROKE THOM.** The best yellow bedding rose we have today. It is of clean healthy vigorous growth with abundant dark bronzy disease-resisting foliage and a continuous free bloomer throughout the season. The good-sized buds are long and shapely and develop into full double flowers of a rich deep lemon yellow, sweetly scented.

**MRS. G. A. VAN ROSSEM.** A marvelously beautiful Rose with a unique color combination not found in any other variety, a most striking blending of dark vivid orange and apricot on a golden yellow ground with frequent touches of bronze on the reverse of the petals. The sweet-scented flowers are very large, of perfect formation both in the bud as well as in the fully developed flower.

**MRS. LOVELL SWISHER.** A California rose of unusual merit. The color of the buds is a deep coppery salmon at the base, merging to salmon pink at the tips. As the flower expands the color deepens to a coppery tinge toward the center. They are delightfully tea-scented.

**PADRE.** An exquisite variety in a color that is distinct from any other. The color is a beautiful shade of coppery orange crimson.

**PRESIDENT HOOVER.** A remarkable rose, wonderfully free flowering, and glorious in its color arrangement which is a splendid combination of cerise-pink, flame, scarlet, and yellow—a combination that furnishes the most dazzling color effect imaginable. Beautifully pointed buds, large flowers, composed of broad, heavy petals and exquisitely fragrant. President Hoover is something altogether new in rose color.

**RADIANCE.** Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant.

**RED RADIANCE.** An even better rose in habit than its parent, Radiance, bearing big, globular flowers of deep rose-red.

**REV. F. PAGE ROBERTS.** A rose of remarkable form and color. Long pointed buds of coppery red and yellow, opening to fragrant flowers of golden yellow.

**SOUVENIR DE CLAUDIUS PERNET.** Both bud and bloom are clear sunflower-yellow, unstained by any other color.

**SUNBURST.** A beautiful yellow suffused with orange at the center, buds and developed flowers of good form, sweet scented.

**TALISMAN.** The Rose of Many Gold Medals. A combination of shadings of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright apricot, gold and deep rose-pink.

**VATERLAND.** A most distinct dark colored variety, a rich deep velvety scarlet maroon and a splendidly formed high centered flower of remarkable keeping qualities. The plant is of vigorous strong erect habit with healthy foliage and remarkably free and perpetual flowering.

**VILLE DE PARIS.** An excellent deep yellow—a distinct sunflower color—and a decided improvement on Pernet.

**WILLIAM F. DREER.** The flowers are similar in shape to Los Angeles, and in color silvery pink with rich yellow.

Caledonia

**CALEDONIA.** Large, very long pointed buds with the edges gracefully rolled back; flowers very large and double, slightly fragrant and borne singly on long stems. Color, slightly lemon tinted, changing to a pure white as the flowers develop.

E. G. Hill

**E. G. HILL.** The flower is scarlet, shading to a deeper pure red as it develops. It produces long stems naturally and the foliage develops freely.

Charles P. Kilham

**CHARLES P. KILHAM.** The buds are long pointed of perfect shape, opening to perfectly formed full double flowers of a rich and brilliant Oriental red, flushed with orange and scarlet.

# GERMAIN'S
## Climbing Roses

In the following list are to be found climbing roses of all types, but the Everblooming varieties predominate. It is a splendid assortment offering a wide range of colors and includes several new and very worthwhile introductions besides a large number that have been heretofore sold at considerably higher prices. In purchasing roses it is well to remember that these are all of number one grade, two year old, field grown stock and we offer them as the best to be had.

Golden Climber

**GOLDEN CLIMBER (Mrs. Arthur Curtiss James. Plant Patent No. 28).** The most interesting feature of this new golden yellow climber is that its extreme hardiness is combined with blooms of Hybrid Tea type and quality. $2.00 each.

**NEW INTRODUCTIONS**

**CL. MRS. E. P. THOM**—The exact duplicate of the bush form considered by most rosarians to be the finest yellow rose grown. Profuse blooming, excellent for cutting, and a rampant climber. 75c each.

**CL. BLAZE**—See color pages.

**CL. MRS. LOVELL SWISHER**—We are introducing this variety confident that it will attain the popularity of the bush form. Identical in every way as to color, form, etc., but a vigorous climber and a profuse bloomer. 75 each.

In addition the novelties of 1935 include the varieties Golden Climber, Cl. Mermaid, Cl. Hoover, Cl. Dame Edith Helen and Cl. Talisman, all pictured and described on this page.

Cl. Mermaid

**CL. MERMAID.** Exquisitely beautiful single flowers of great size, pale sulphury yellow with a gold center. It blooms steadily throughout the season at the tips of the new growth. The glossy foliage is handsome and the beauty of its flowers will fascinate you. 75c each.

## STANDARD VARIETIES

**Any of the following standard varieties are priced at 50c each; $5.00 dozen, postpaid anywhere in U. S. A.**

**CL. AMERICAN BEAUTY.** A strong healthy vigorous grower, frequently making shoots from 10 to 12 feet long. In color same as bush form.

**CL. BELLE OF PORTUGAL.** A variety exceeding in beauty anything heretofore attained. Very vigorous grower, giving immense crops of bloom. Beautiful pearl pink.

**CL. CECILE BRUNNER.** One of the strongest growing roses. Bright clear pink. A most popular climber.

**CL. CLARA BOW.** This variety is a true climbing sport of Golden Emblem. It is a true deep yellow.

**CL. GEN. McARTHUR.** Bright crimson; notable for its fragrance. It blooms persistently, fine in autumn.

**CL. HADLEY.** The well-known rose in a climbing form. Deep velvety-crimson, double, and buds are well-formed.

**CL. HOOSIER BEAUTY.** The climbing form of the popular bush variety. Torch-like blooms of vivid red, opening from glowing slender buds.

**CL. KAISERIN VICTORIA.** Plants bloom throughout the season and the lovely white flowers are magnificent.

**CL. LOS ANGELES.** The ever popular bush Los Angeles in a climbing form with the same extreme beauty of its well-formed flowers, alike attractive in bud and bloom, shades of salmon-pink, apricot and orange almost impossible to describe.

**CL. MME. CAROLINE TESTOUT.** Beautiful glowing pink, identical flower as its parent namesake; a rampant climber.

**CL. MME. EDOUARD HERRIOT.** Replica, except in being a climber of the noted bush rose of this name. Medium sized semi-double flowers of a bright rosy-scarlet passing to prawn-red, with shadings of coral-red and yellow toward the base. Like a mass of living fire on a trellis.

**CL. MRS. AARON WARD.** On first opening, it is rich, golden fawn, but changes to a soft golden yellow. Fine for cutting and corsages.

**PAUL'S SCARLET CLIMBER.** The flowers, a vivid scarlet, are of good size, semi-double, very freely produced in clusters of from 3 to 20 flowers each on much branched canes, the plants being literally covered from top to bottom with bloom.

**CL. RADIANCE.** Just as satisfactory a rose in every way as the popular bush variety.

**CL. RED RADIANCE.** Blooms profusely over a long season. Flowers are perfect in shape and color exactly like the bush rose of the same name.

**CL. ROSE MARIE.** Like its bedding parent this is a splendid rose. Large, full, double flowers with strong fragrance and unusual lasting qualities, a deeper pink than those of the bush form.

**CL. SOUV. DE CLAUDIUS PERNET.** An exact counterpart of the bush "Souv. de Claudius Pernet."

**CL. SUNBURST.** A true Sunburst of vigorous climbing habit. An entrancing rose of exquisite color—brilliant orange—yellow in center, paling to buff.

Cl. President Hoover

**CL. PRESIDENT HOOVER.** The vigorous growing qualities of the bush roses told us that before very long we would have a climbing form of this excellent rose. $1.00 each.

Cl. Dame Edith Helen

**CL. DAME EDITH HELEN.** Dame Edith Helen is one of the most popular pink bush Roses, and this climbing variety produces flowers which are exactly like those on the bush. 75c each.

Cl. Talisman

**CL. TALISMAN.** The same glorious bud with exquisite combination of colors of yellow, pink, scarlet, apricot, and old rose; the identical flower which has created a sensation in the rose world. 75c each.

# GERMAIN'S CHRYSANTHEMUMS

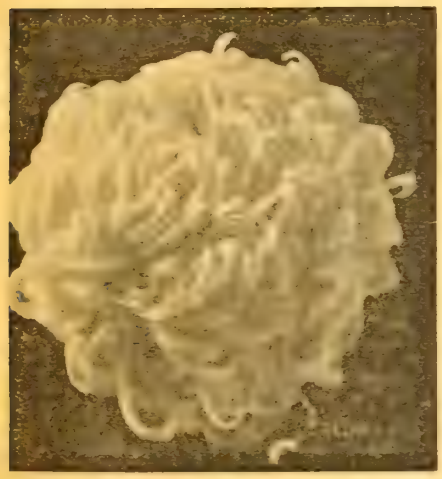
The Chrysanthemum covers such a wide range of colors, types and sizes, produces such a wealth of bloom that it is easily the "Queen of Autumn." From the large Japanese type through the Anemone-flowered, Feathery Class, and Pompons one finds almost any desirable form or color for the fall garden. All our plants are propagated from strong soft wood cuttings and established in 2½-inch pots. We do not advise planting too early as they are inclined to become hard and woody long before flowering season begins. "Mum" plants are not ready until April 15th.

## JAPANESE VARIETIES—LARGE FLOWERING

In this classification are found the very large flowered varieties, those grown commercially and in the garden for size. In order to obtain the maximum size disbudding must be practiced, otherwise they grow into large flowers spray-like in form.

Price of any of the Large-Flowering Japanese Types
20c each, $2.00 dozen, $15.00 per 100

Rose Day



Wm. Turner

Golden Bronze

### Yellow

**CITRONELLE.** Citron yellow with high center. Blooms late October.

**COLONEL APPLETON.** Enormous golden yellow incurve. Late.

**DOLLY DIMPLE.** Light yellow reflex. A very popular variety.

**GOLDEN CELEBRATION.** A fine Thanksgiving yellow.

**GOLDEN GLORY.** Deep golden yellow. Matures in mid-season.

**MRS. H. E. KIDDER.** Bright early yellow. Large flower. Strong stemmed.

### Bronze

**DETROIT NEWS.** Fine bronze, waxy incurve, then reflexes. Late. October.

**GLADYS PEARSON.** Upper petals apricot, reverse buff. Strong grower.

**GLENVIEW BRONZE.** Deep reddish bronze. November.

**GOLDEN BRONZE.** Golden bronze, excellent shade. Late October.

**HILDA H. BERGEN.** Deep mahogany bronze incurve. Perfect flower.

**INDIANOLA.** Early large-flowered bronze with old gold.

**NAGIRROC.** Deep glowing orange bronze.

### Red

**GARNET KING.** Color garnet with bluish black shadings.

**HARVARD.** Dark crimson reflex.

**MRS. HENRY EVANS.** Resembles a huge red Dahlia.

**J. W. POOK.** Terra cotta incurve with bronze reverse.

**SMITH'S BRILLIANT.** Fine early reflex red. Excellent stem and foliage.

### Pink

**HELEN FRICK.** Late deep pink incurve.

**J. W. PRINCE.** Dark pink incurve of real merit.

**MRS. ALEX LAURIE.** Incurved light pink. Perfect stem and foliage.

**PINK TURNER.** Popular pink easily grown. October 15th.

**ROSE DAY.** Very large and fine pink.

**ROSE GLORY.** Bright lavender-pink incurve. Late October.

### White

**BETSY ROSS.** Pure white of perfect incurve form. Early November.

**CHATTANOOGA.** Pure white of good form. Early December.

**DECEMBER BEAUTY.** White with light pink shadings at center.

**MISS CHICAGO.** Fine white with good stem and foliage. November.

**WHITE CHIEF.** Fine white incurve of good form. Late October.

**WM. TURNER.** Huge incurved flower of purest white.

**QUAKER MAID.** A glistening white incurve. One of the best earlies.

Lavender Feather

## HARDY VARIETIES

In these classes are found the smaller flowered varieties including pompons, anemone-flowered, etc., which are among the most popular for garden decoration and cutting purposes. The dainty blooms are borne in spray-like masses in such great profusion that they very often cover the foliage.

### Anemone Flowered Types

**GRAF VON ORIOLA.** Lavender pink.

**STOPLIGHT.** Crimson terra-cotta petals with bright yellow cushion.

**SUNSHINE.** Brilliant golden-yellow.

**WAKANDA.** The ray petals are a reddish bronze, center golden yellow. Large.

20c Each; $2.00 Dozen.

### Feathery and Quilled Types

**JIU JITSU.** Pure white, quilled effect.

**LAVENDER FEATHER.** Stunning deep lavender. Very prolific.

**RED SPIDER.** Large spidery type in a rich magenta shade.

**YELLOW TAGGART.** Golden yellow with quilled petals covered with hairs.

20c Each; $2.00 Dozen.

### Single Types

**CURLY LOCKS.** Beautiful pink.

**GOLDEN MENSA.** Bright golden yellow.

**SYLVIA SLADE.** Garnet with white band around center.

20c Each; $2.00 Dozen.

### Pompon Types

**BOKHARA.** Combines the tints of red, rose, and bronze of Autumn leaves.

**CORA PECK BUHL.** Deepest in color of all the yellows.

**ETHEL.** Bright red, gorgeous in color.

**FRANCIS HUCKVALE.** Gardenia white.

**MARY PICKFORD.** Of most perfect form. Button type. Pure white.

**NEW YORK.** Splendid bronze pompon.

**NUBIAN.** Early bright chestnut bronze.

**PINK DOT.** Blush white with pink dot.

**SONOMA.** Bronze with golden reverse and gold tipped petals.

15c Each; $1.50 Dozen; $12.00 per 100

**SPECIAL JAPANESE COLLECTION**

CITRONELLE—Yellow.
COL. APPLETON—Yellow.
GOLDEN BRONZE—Bronze.
HARVARD—Red.
ROSE DAY—Pink.
MISS CHICAGO—White.

The six varieties $1.00 Postpaid

**HARDY VARIETIES COLLECTION**

GRAF VON ORIOLA—Lavender pink.
LAVENDER FEATHER—Deep lavender.
GOLDEN MENSA—Yellow.
SYLVIA SLADE—Garnet.
MARY PICKFORD—Pure white.
NEW YORK—Bronze.

The six varieties 75c Postpaid.

The two collections (12 varieties) $1.60 Postpaid.

# THE BEAUTIFUL
## In Germain's

Don Quixote

**DON QUIXOTE.** It is a strong grower and produces flower stems that average 42 inches tall. The standards are deep lavender, falls are deep violet with deep yellow suffusion over all. 35c, 3 for 70c.

**ABBREVIATIONS AND DEFINITIONS**

S.—STANDARDS—the upstanding petals.
F.—FALLS—the three lower petals.
BICOLOR—Standards of one shade and falls of another.
BLEND—A suffusion of several colors.
PLICATA—A light colored Iris the edges of which are dotted or lined with a deeper color.
SELF—The color is uniform throughout.
VARIEGATA—Yellow standards and reddish brown falls.

Loreley

**LORELEY.** S. honey yellow;F. ultramarine blue with cream border. Beautifully contrasted and very showy. 24-inch. 25c, 3 for 50c.

One of Nature's gifts is the Iris. No flower is more easily grown. None will produce a wider range or greater riot of color. It has every conceivable fragrance, a limitless diversity of form, size and height, and a long blooming season. Improvements are being made in the Iris from year to year. Men like Mitchell, Sass, Mohr, Cayeaux, Dykes and others have brought the Iris from the lowly "Flag" to a flower of wondrous beauty.

**"A" YELLOW.** A low growing yellow that is deeper in color than the other early yellows. Fine for a mass of rich yellow in the garden. 20c, 3 for 40c.

**ALAMEDA.** A large white plicata with both standards and falls heavily suffused blue violet. A profuse bloomer and a rapid multiplier. 50c, 3 for $1.00.

**ALCAZAR.** S. mauve; F. dark purple. The bronze and yellow at its center add beauty to this vigorous well branched variety. 36-inch. 25c, 3 for 50c.

**ALLIES.** S. bronzy Van Dyke brown, F. madder brown reticulated bronze. Style branches tipped bronze, bright gold beard, low growing and freeblooming. 35c; 3 for 70c.

**ALTA CALIFORNIA.** This fine iris introduced three seasons ago has completely justified all lavish predictions. It still remains supreme as the most worthwhile tall yellow iris. Alta California forms one of the most compelling of all the plantings in our garden. Totally distinct from even the newest yellows. Clear yellow, faintly bronzed, with stems superbly branched. Blooms of good size, and texture so firm that neither rain nor sun mar the stately blossoms. 48" $5.00.

**AMBASSADEUR.** See color page.

**ANN PAGE.** A lovely pale lavender blue self of fine form, good substance and delicious perfume. Stems stout and well branched. 36-inch. 25c, 3 for 50c.

**ARGYNNIS.** S. clear bright yellow; F. bright chestnut red with a narrow yellow edge. Free flowering, late. 25c, 3 for 50c.

**ASIA.** A beautiful silvery lavender blend, lit by a bright yellow beard. An iris of great elegance and deserved popularity. Blooms mid-season to late. 25c, 3 for 50c.

**AUTOCRAT.** S. bright clear blue; F. rich dark velvety blue shading lighter at the edges. Very attractive. 30-inch. 20c, 3 for 40c.

**BRAVURA.** Large well-placed flowers of deep rosy lilac, well-branched stems. Their substance is excellent and the plant is vigorous. 40-inch. 25c, 3 for 50c.

**BRUNO.** A seedling on the order of Ambassadeur. S. bronze, tinted and lightened with lavender shading and yellow at the base; F. deep rich purple of unusual size and quality, having velvety texture. Fragrant. 33-inch. 60c, 3 for $1.20.

**CARTHUSIAN.** Clear, bluish lavender, quite like Caterina but larger and of better shape and later season. 25c, 3 for 50c.

**CLARIDAD.** A beautiful clear lavender blue of great purity, good substance and pleasing garden effect. 25c, 3 for 50c.

**CONQUISTADOR.** The size and height make it an outstanding feature in any garden. Flowers are very large and a beautiful shade of deep mauve. 40-inch. 25c, 3 for 50c.

**COPPERSMITH.** Flowers having a glorious copper-bronze sheen. Heavy substance, smooth finish, and fine form. Floriferous. Fragrant. 30" 50c; 3 for $1.00.

**CRIMSON KING.** A variety that is very popular — color a vivid shade of crimson purple. Blooms several times each year. 24-inch. 20c, 3 for 40c.

**CRUSADER.** Fine large flowers of clearest blue violet. Early, tall, of excellent texture, free flowering. 25c, 3 for 50c.

**DAY DREAM.** One of the most beautifully colored of all blends. Standards of pale iridescent lilac, faintly suffused bronze yellow. Beard and reticulations of yellow, and falls of lilac pink. $1.00.

**DEPUTE NOMBLOT.** This magnificent iris is acclaimed by experts from America, France, and England as Cayeux' outstanding achievement. It is an imposing giant of greatest vigor, strong foliage, with a stout firm spike over four feet. Well branched. Blooms enormous, with wide spreading falls. Color light glowing rosy-purple overlaid a bronzy gold. Deep orange beard. $2.00.

**GERMAIN'S**
**"EXTRA VALUE COLLECTION"**

Ten excellent garden Iris that are offered at a real saving to you.
"A" YELLOW—Yellow.
ANN PAGE—Lavender blue.
AUTOCRAT—S. clear blue; F. velvety blue.
CONQUISTADOR—Deep mauve.
ENDYMION—Buff.
GEORGIA—Soft rose.
MAGNIFICA—Red violet.
MME. CHERI—Violet pink.
NEREUS—S. lavender blue; F. rich aniline blue.
SAN GABRIEL—Pinkish lavender.

**Regular Value, $2.50**

**Collection Price, $1.00 Postpaid**

**DILKUSH.** A hybrid of Iberica X Pallida. Fine rounded flowers, with standards heavily veined. Color deep reddish purple. 35c, 3 for 70c.

**DOLLY MADISON.** The pale pinkish mauve standards, shading yellow at the base are very broad arching and cupped. The broad flaring falls are lilac with the haft tinged gold. Intense red-orange beard. Growth vigorous. 30-inch. 50c, 3 for $1.00.

**DREAM.** A very lovely crinkled rose pink self color with orange beard. Perfect form, excellent substance, long-blooming. An orchid-like flower. 25c, 3 for 50c.

**"E" YELLOW.** See color page

**ED. MICHEL.** See color page.

**EL CAPITAN.** A manganese-violet bi-color of heavy substance and huge size. These majestic flowers with flaring falls have the added advantage of a very extended season. Free blooming, tall and vigorous. 60c, 3 for $1.50.

**ELEGANTE.** As indicated by the name this is an iris of poise, elegance, and graceful growth. Plants 34 in. tall and well branched, making a nice garden clump, and furnishing excellent blooms for cutting. A blend of silvery-lavender flushed yellow at the edges. Early blooming, 75c; 3 for $1.75.

**ENDYMION.** A lovely warm buff blend with orange beard. Fragrant. 25c, 3 for 50c.

**FOETIDISSIMA (Beardless).** This variety is grown for the handsome orange colored seed that appear after the deep blue flowers. 20c, 3 for 35c.

**FIREFLY.** A very prettily veined and ruffled flower. S. luminous yellow; F, yellow heavily lined brown and mauve. 50c; 3 for $1.00.

**IRIS CULTURE**

Open Season for Iris. Iris may be planted at any time in California and in the East at any time the ground isn't frozen. Best time is from midsummer to last of September so the roots become well established before winter.

The Iris increases by new shoots forming from eyes or buds at the sides of the division. In most sections the new shoots make new divisions strong enough to be detached and reset by early July.

# IRIS AS GROWN

## Iris Gardens

The Iris Garden can be begun inexpensively. With its nature of rapid multiplication the introductions of this year are available for you at a slight fraction of their original price a few years from now.
The Iris listed below are the choice sorts of the Iris world. From those such as Alcazar at 25c to Rubeo at $4.00 you will find them all satisfactory and certain to prove a welcome addition to your garden.

### GERMAIN'S "POPULAR COLLECTION"

Twelve splendid varieties at a greatly lowered collection price.
ALCAZAR—S. mauve; F. dark purple.
ARGYNNIS—S. yellow; F. chestnut red.
BRAVURA—Rosy lilac.
CLARIDAD—Lavender blue.
DREAM—Rose pink.
GOLD CREST—Violet blue.
J. J. DEAN—S. violet; F. purple.
MME. DURAND—Buff.
ROSADO—Soft pink.
SOUV. DE MME. GAUDICHAU—S. violet; F. blackish purple.
YELLOW MOON—Yellow.
YOLANDE—Pansy blue.

Regular Value, $3.25

**Collection Price, $1.50 Postpaid**

**FORTUNA.** The clear amber yellow standards are 2½ inches across and the falls a slightly lighter shade. 50c, 3 for $1.

**FRA ANGELICO.** S. hazel and honey yellow, very cupped and erect. F. honey yellow overlaid and suffused with palest lavender. Rich golden style branches. 35c, 3 for 70c.

**FRIEDA MOHR.** The flowers measure 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The plants average 50 inches in height with the clean straight foliage in proportion, making it equally satisfactory as a specimen plant or for massing. It is an exquisite pink bicolor, with lilac pink standards and deep lilac rose falls. 60c, 3 for $1.50.

**GAYNELLE.** This splendid intermediate is most outstanding, due particularly to the fact that it is the very earliest of the yellows. Makes a solid mass of color at blooming time. 75c; 3 for $1.75.

**GEORGIA.** Soft Cattleya rose, excellent substance. Early. Beautiful "pink" in mass effect. 30-inch. 25c, 3 for 50c.

**GOLD CREST.** Bright pure violet blue with conspicuous yellow beard. Not large but of lovely color. 25c, 3 for 50c.

**GOLDEN PROMISE.** S. deep yellow. F. soft yellow flushed lavender and reticulated with bronze veins from the throat to the tip of the bright orange beard. 35c, 3 for 70c.

**GRACE STURTEVANT.** S. dark red bronze with rich velvety falls that are still darker, being almost black at the tip. Deep orange beard. $1.00, 3 for $2.50.

**HELIOS.** Another big new yellow iris of fine form and finish. S. pure lemon and beautifully formed. F. same color with very delicate light brown and clear purplish-rose reticulations almost invisible when flower is opened. Beard golden yellow, $2.00.

### IRIS CULTURE

Set roots 12 to 20 inches apart, according to room. The closer they are set the sooner they will need to be taken up, divided and reset.

Cover the roots only an inch or so. They like to be near the surface. Tramp on the fleshy part of the root (the rhizome) and tramp hard, after it is planted. Keep watered for a few weeks until new growth starts. If no rain, see that the ground doesn't dry out too much.

**HIDALGO.** A very large lavender self of unusually broad shape, tall and upstanding. Shows as a beautiful orchid pink under electric light. 48-inch. 35c, 3 for 70c.

**IBPALL.** As the name indicates, this beautiful hybrid is derived from Iberica and Pallida and the rounded shape and veining of the deep red violet flowers show the oncocyclus parent. 35c, 3 for 70c.

**INDIAN.** A most remarkable iris. Tan, slightly flushed rose. Ruffled. 60c; 3 for $1.50.

**INDIAN CHIEF.** This is another fine red iris. S. beautiful violet red, F. velvety dark red. Fine form, good placement. Plant strong and vigorous. Early. $1.00.

**IRIS KING.** This variety is also listed as King of Iris which indeed it is; S. golden yellow; F. velvety garnet, edges yellow. 25c, 3 for 50c.

**J. J. DEAN.** A beautiful variety that has large flowers and is a tall grower. The coloring is very vivid. S. light violet; F. velvety royal purple. 36-inch. 25c, 3 for 50c.

**JUMBO.** Broad standards of violet tone; falls of velvety red violet, with an orange beard. Free blooming and sturdy of growth. 35c; 3 for 70c.

**KING TUT.** A very bright and outstanding note of color is given by this combination of yellowish brown standards, Hessian brown falls, golden beard. 60c; 3 for $1.50.

**LORD WOLSELEY. (Beardless).** A fine blue of the spuria type. Blooms on very tall, wiry stems. For fall planting. 60c, 3 for $1.50.

**LOS ANGELES.** Great white flowers of fine shape and substance, the standards faintly edged pale blue, the falls beautifully reticulated red brown at the base. 75c, 3 for $2.00.

**LOUIS BEL.** S. very dark satiny pansy violet. F. splendid deep blackish violet purple. 50c, 3 for $1.00

**LYCAENA.** White standards with rich purple falls with paler margin. 27-inch. 25c, 3 for 50c.

**MAGENTA.** This supersedes Edouard Michel as a fine red violet self of satiny texture. Plant near Crusader for interesting color grouping. 60c; 3 for $1.50.

**MAGNIFICA.** A huge flower. S. light violet blue; F. red violet. A grand variety and a vigorous grower. Early. 40-inch. 25c, 3 for 50c.

**MARY BARNETT.** A lovely light lavender blue self with a prominent golden beard. Free flowering and fragrant. 60c.

**MARY GIBSON.** Tall light bronzy rose blend. Makes fine color note when planted in mass. Aw. Mer. R. H. S. 35c, 3 for 70c.

**MME. CECILE BOUSCANT.** A clear self tone of light orchid pink that is absolutely unique. An exquisitely lovely iris. 50c; 3 for $1.00.

**MME. CHERI.** One of the finest blended tones, being a violet pink with a yellow undertone. At a distance the effect is rich pink. 25c, 3 for 50c.

**MME. DURRAND.** An iris that is in a class by itself. Color iridescent buff, flushed with lilac and amber. The flowers have a glistening silky texture. 48-inch. 50c; 3 for $1.00.

**MODOC.** A very outstanding iris, rich in color and heavy in substance. S. cotinga purple, F. dark velvety blackish purple. Heavy primuline yellow beard. $2.00.

**MONNIERI.** See color page.

True Delight

**TRUE DELIGHT.** A very lovely white plicata with rose colored venation and style arms. Free flowering. 36-inch. 25c. 3 for 50c.

### FROM A SUNSET GARDEN

For the general gardener, this book by Sydney B. Mitchell offers invaluable articles on daffodils, annuals, gladiolus, fuchsias, and shrubs. The iris enthusiast, however, should purchase the book for the three chapters on iris alone. These include one most fascinating chapter on iris breeding. $3.00.

Ochroleuca

**OCHROLEUCA (Beardless).** A tall growing variety which is one of the most glorious of irises. The blooms are creamy white with a golden yellow center. 20c. 3 for 40c.

# GERMAIN'S IRIS

William Mohr

**WILLIAM MOHR.** A wonderful hybrid from Parisiana X gatesii. The ground color is pale lilac, standards flushed darker, the whole flower beautifully veined violet; a very large flower. 75c, 3 for $2.00

Rialgar

**RIALGAR.** A fine richly colored variegata. S. clear buttercup yellow, F. buttercup yellow heavily striped bronze, flaring. 24-inch. 25c, 3 for 50c.

Sir Michael

**SIR MICHAEL.** Considered by many the finest blue bicolor, this handsome tall upstanding iris makes one of the most colorful masses in the garden. The bluish lavender standards rise airily above the rich red purple falls. 75c.

**MONSPUR. (Beardless).** Very beautiful blue purple; hardy and a good grower. 48" 75c.

**MOONBEAM.** An outstanding intermediate yellow iris that makes a splendid mass of color. It is a pure sulphur yellow self with no markings. A robust grower with stout stems, is very free flowering. Deliciously scented. 20" 50c; 3 for $1.00.

**MORNING SPLENDOR.** Deep rich large red violet. Fragrant. 36-inch. 35c, 3 for 70c.

**MRS. VALERIE WEST.** Considered Mr. Bliss' crowning achievement. A much admired iris. Broad massive bronze standards with falls of deep velvety maroon purple. Stems well branched, and free blooming. One of the best in its class. 75c; 3 for $2.00.

**NEREUS.** Large flowers. S. lavender blue. F. rich aniline blue—a darker Lord of June. 25c, 3 for 50c.

**OPERA.** See color page.

**PADRE.** The blending of yellow and lavender in the standards, the flush of blue on the fine rosy purple falls, and the glow from the amber beard and style arms give this large flower of noble form a quality which ranks it high. 75c, 3 for $1.75.

**PLUIE D'OR.** A tall, pure rich yellow with glistening golden buds and striking yellow beard. Widely and symmetrically branched stems carry an abundance of canary-colored flowers. Cert. Merit., S. N. H. F. and the W. R. Dykes medal in 1928, for the finest new iris of the year. 36-inch. $1.00; 3 for $2.50.

**SAN DIEGO.** This derivation of Gaudichau and El Capitan is identical in color with the former and in size and shape with the latter. Its immense blooms are of deep velvety blue-purple. Stems 46" $1.00; 3 for $2.50.

**SAN FRANCISCO.** Tall stems, branching low and wide like a candelabrum, carry large white flowers, of which both standards and falls are distinctly edged lavender. In size, shape and substance, there is nothing to approach it among the older plicatas, only the color pattern tells us it should be classed with them. Awarded Dykes Memorial Medal as best American introduction of 1927. Similar to Los Angeles but with wider blue edging. 75c; 3 for $2.00.

**SAN GABRIEL.** A very large pinkish lavender of high excellence adding to its other merits the virtue of being early and long blooming. Branching, and very graceful. 48-inch. Fragrant. 35c, 3 for 70c.

**SAN LUIS REY.** Imagine an Opera with better shaped flowers nearly twice as large on beautifully branched stems half as tall again, and you have San Luis Rey. The flowers are of beautifully rounded form, set off by a golden beard and a yellow center. 35c, 3 for 70c.

**SANTA BARBARA.** See color page.

**SEMINOLE.** A brilliant velvety light red purple with a conspicuous orange beard. 30-inch. 20c, 3 for 40c.

**SAN RAFAEL.** A deep red-purple self with overtones of black on the falls. The very large flowers, 6 inches high, 5 inches wide, have domed standards which do not get floppy, and broad flaring falls of good substance. $1.00; 3 for $2.50.

## GERMAIN'S "PICTURE" COLLECTION

This collection is composed of the seven varieties shown in photographs on this and the two preceding pages. Included are

DON QUIXOTE—Lavender and violet with yellow suffusion.
LORELEY—Honey yellow standards and deep blue falls.
TRUE DELIGHT—Pure white with rose colored edges.
OCHROLEUCA—Tall growing and distinctly beautiful. A white and yellow combination.
WILLIAM MOHR—Lilac and violet. One of the most fragrant Iris.
RIALGAR—Buttercup yellow and bronze.
SIR MICHAEL—Lavender and purple with yellow beard.

Regular value of this collection.....$2.80
Collection Price—Postpaid.....$1.75

**PRIMROSE.** S. amber yellow, F. lighter yellow, center of flower clear golden yellow. Long blooming, fine for mass effect. 30-inch. 35c; 3 for 70c.

**PURISSIMA.** It is going to be very hard to improve on this seedling for a pure white of great size, fine form and heavy substance, this last a most important factor in white irises. These qualities, with its vigor and its tall branched stems account for the rating of 96 given it. $1.00, 3 for $2.50.

**RAYO DE SOL.** The Spanish word for sunbeam was given this seedling because of its bright yellow color. Its flowers, 4 inches high and 3½ broad, are lemon chrome, a bright clear yellow. 36-inch. 75c, 3 for $1.75.

**REALM.** One of the finest of the tall blues. The flowers are large and of uniform rich periwinkle blue. The blooms are well spaced on stem. Very late. 40" 35c; 3 for 70c.

**REDWING.** A big bronzy red very like Allies in color, but much larger and taller. Very much admired in our garden. $1.00; 3 for $2.50.

**ROSADO.** A beautiful clear soft pink, tall and a strong grower. 40-inch. 25c, 3 for 50c.

**RUBEO.** A magnificent plant with huge flowers beautifully poised on strong stems 48" high. It begins to branch half way up the stem, sending out good wide branches. The standards are deep glistening rose, the broad thick textured falls are of deep maroon. $4.00.

**SACRAMENTO.** This new giant plicata, though related to San Francisco and of comparable size and habit, is absolutely distinct from anything previously introduced. Its large flowers have a white ground, the standards heavily edged red purple, the falls reticulated with the same color. The prominent orange beard, unusual in plicatas, lights up the flowers in a most attractive way. $1.50.

**SENSATION.** A beautiful self-colored aniline-blue of great poise and elegance. The substance is heavy, the standards beautifully arched, the falls flaring and the stems tall and sturdy. Fragrant. Late. $1.25.

**SHASTA.** This new white of different parentage than Purissima is also entirely distinct in style and effect and well worthy of being named for California's great white-capped mountain. 60c, 3 for $1.50.

**SOUV. DE LOETITIA MICHAUD.** Very large flowers of fine texture. The color is lobelia blue, shading lighter at the edges. Fragrant. 40". 60c; 3 for $1.50.

**SOUV. DE MME. GAUDICHAU.** S. Bradley's violet; F. brilliant blackish purple. An unusually dark velvety bicolor of fine shape and substance. 25c, 3 for 50c.

**STIPPLES.** A most unusual plicata. The flowers are neat, clean cut, white with definite clear bluish-violet stipplings on the falls. The standards are mostly bluish-violet but with pronounced stipplings. The falls are markedly flaring. 30". 50c; 3 for $1.00.

**STYLOSA (Beardless).** (Winter Blooming). Plants are low growing with long grasslike foliage. Flowers deep sky-blue with orange tongue, very fragrant. 25c, 3 for 50c.

**SUNBEAM.** A rich deep canary yellow self, standards and falls being identical in tone and without markings. The form is very round and the flowers abundant. Very early. 60c, 3 for $1.20.

**TENEBRAE.** S. purple, tinged maroon-purple in the center. F. rich velvety black purple. Fragrant. 36-inch. 25c, 3 for 50c.

**YELLOW MOON.** An amber yellow of fine form and substance on stout erect stems, very free flowering. 36-inch. 25c, 3 for 50c.

**YOLANDE.** F. velvety pansy blue. Very large beautifully formed flowers of heavy substance. Excellent for mass effect. 25c, 3 for 50c.

Egyptian Lotus

# GERMAIN'S WATER LILIES AND AQUATICS

Tropical Lilies

**A selected list of the choicest Hardy and Tropical Water Lilies and aquatic plants for pools and water gardens. We pay the most careful attention to packing and shipping and have received the highest commendation on the size and quality of the roots we send out.**

**PLANTING.** Place two inches of well rotted cow fertilizer on the bottom with three inches of garden soil on top. Dampen and tamp down hard, then spread half an inch of sand over the top.
Plant lilies about two feet apart, so that the crown is just above the surface of the dirt.
Usually about five lilies will give splendid results in a 9x9-foot pond.
Fill very slowly with water, up to the top.
The lilies will soon be on top with their new leaves and blossoms.
Put in fish and snails. Plant the moss on the bottom in the dirt.

## HARDY WATER LILIES

**ALBA CANDIDISSIMA.** A vigorous and desirable variety, early and free bloomer, good size and pure white. $1.25.

**AURORA.** Soft rosy-yellow changing to deep red. Fine for small pools. $1.00.

**COMANCHE** Flowers of a wonderful combination of orange and amber red. $1.50.

**CONQUEROR.** Extra large cup-shaped, deep violet-rose shaded with white. $2.25.

**ESCARBOUCLE.** The flowers are most striking in color, being uniform vermillion red. $2.50.

**GLADSTONIANA.** Pure dazzling white, cup-shaped and very massive. One of the best for large pool. $1.50.

**GLORIOSA.** Flowers of perfect form; deep carmine-rose becoming a very dark red late in the season. $2.25.

**JAMES BRYDON.** Free grower with rosy-crimson flowers 4" to 5" in size. $2.00.

**MARLIAC CARNEA.** A splendid companion to Chromatella, color of flowers being a soft flesh pink. $1.00.

**MARLIAC ALBIDA.** Large flowers of sparkling whiteness, stamens light yellow. $1.00.

**MARLIAC CHROMATELLA.** Vigorous grower, flowers are bright canary yellow, leaves green, blotched brown. $1.25.

**MARLIAC ROSE.** Large deep rose color; young leaves purplish red, changing to a deep green. $1.50.

**MASANIELLO.** The flowers are rose-pink, dotted with carmine; the sepals are white, a very odd contrast. $1.25.

**MEXICANA.** Flowers fragrant, bright yellow, standing well above the water, desirable for small pools. 50c.

**PAUL HARIOT.** Flowers of large size, clear canary yellow, shading to pink at the base. $1.25.

**PYGMAEA HELVOLA.** A miniature yellow water lily. A gem for aquariums, tubs, shallow pools. 75c.

**ROBINSONIA.** Floating flowers of yellow overlaid with purplish-red, the general effect being dark orange-red. $1.50.

**ROSE-AREY.** The flowers, a deep-cerise pink, sometimes reach 8 inches in diameter. One of the best of the Odorata type. $1.50.

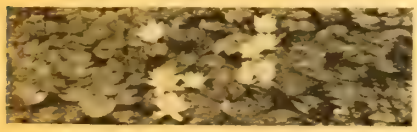
**SIOUX.** A splendid lily, a rich coppery yellow; shading to amber red. $1.75.

**SOMPTUOSA.** Very large outside petals rosy-pink gradually deepening toward the center to nearly crimson. $1.50.

**SUNRISE.** The flowers are immense, averaging over 10 inches in diameter. Beautiful sulphur yellow with natural grace resembling the tropical lily. $2.50.

**WM. DOOGUE.** A magnificent lily. Flowers of a beautiful shell-pink color. $1.50.

**PANAMA-PACIFIC.** The buds, as they come out of the water, are bronzy green. When fully opened, color is reddish purple and stamens are yellow. $2.25.



## AMERICAN AND EGYPTIAN LOTUS OR NELUMBIUM

**AMERICAN LOTUS.** (Nelumbium Lutea.) (Yellow.) Sometimes called the Water Chinquapin. The rich yellow flowers frequently attain a diameter of 8 to 10 inches. Tubers. $1.50.

**EGYPTIAN LOTUS** (Nelubium Speciosum.) (Pink.) An excellent variety, very hardy and free growing. The blossoms are a very attractive rose color and possess a haunting fragrance. Tubers. $1.50.

Hardy Water Lily

## GERMAIN'S MONEY SAVING AQUATIC COLLECTIONS

**Save Your Money—Buy Our Special Collections at Collection Prices!**

### COLLECTION A (Lilies and Aquatics)

| | | |
|---|---|---|
| 1 | CONQUEROR—Red and White | $2.25 |
| 1 | MARLIAC CHROMATELLA—Yellow | 1.25 |
| 2 | WATER POPPIES—Yellow | .20 |
| 1 | Bunch of PARROT FEATHER | .15 |
| 3 | WATER HYACINTHS—Orchid | .25 |
| 1 | ARROWHEAD GIANT | .25 |

**Complete $3.75**

### COLLECTION B (Hardy Lilies)

| | | |
|---|---|---|
| 1 | PAUL HARIOT—Orange | $1.25 |
| 1 | ALBA CANDIDISSIMA—White | 1.25 |
| 1 | MARLIAC CHROMATELLA—Yellow | 1.25 |
| 1 | MARLIAC CARNEA—Flesh Pink | 1.00 |

**Complete $3.95**

### COLLECTION C (Hardy and Tropical Lilies)

| | | |
|---|---|---|
| 1 | MRS. C. W. WARD—Rose | $1.50 |
| 1 | DAUBENIANA—Light Blue | 1.00 |
| 1 | MEXICANA—Yellow | .50 |
| 1 | COMANCHE—Orange | 1.50 |

**Complete $3.65**

### COLLECTION D (For Miniature Water Garden)

| | | |
|---|---|---|
| 1 | PYGMAEA HELVOLA—Yellow | $ .75 |
| 1 | AURORA—Orange | 1.00 |
| 2 | HYACINTH—Orchid | .20 |
| 1 | Bunch of PARROT FEATHER | .15 |

**Complete $1.75**

## TROPICAL WATER LILIES

**AUGUST KOCH.** This lily belongs to the same group as Dauben, Mrs. Woodrow Wilson, and Panama-Pacific. The flowers are 7 to 8 inches in diameter and open for four to six days. The sepals are purplish lilac and the petals pale wistaria-violet. Foliage strong and attractive. $2.00.

**DAUBENIANA.** Remarkable in that young plants spring from the upper surface of the leaves and become separate individual plants. The color of the flowers is a very light blue. Delicately scented and attaining a good size. $1.00.

**PENNSYLVANIA.** A most beautiful water lily of great merit; the flowers are large in size and of a rich azure blue. One of the best. $4.00.

**PENNSYLVANIA POTTED PLANTS** ..... 2.25

**ZANZIBARENSIS AZUREA.** Similar to the above but flowers opening wider and of a clear azure blue color. $1.75.

**ZANZIBARENSIS PURPUREA.** One of the best of the day blooming varieties. Rich dark blue flowers produced on long stems. $2.00.

**ZANZIBARENSIS ROSEA.** One of the very best of the day blooming varieties. Deep rosy-pink flowers produced on long stems, standing out of water. $1.50.

**ZANZIBARENSIS RUBRA.** A splendid variety bearing flowers of a very bright rosy crimson. Free blooming. $2.00.

### Submerged Plants (For Fish Bowls and Aquariums)

**ANACHARIS.** (Fish Moss.) 5 strands 15c.

**COON TAIL.** (Ceratophyllum). 5 strands 15c.

**SAGITTARIA.** (Broaleaf). Each 15c.

**VALLISNERIA SPIRALIS.** (Eel Grass.) Long ribbon-like leaves, bunch 25c.

**Above Collection Complete 50c.**

### Shallow Water Plants

**ARROWHEAD GIANT.** (Sagittaria sagittofolia.) Distinctive leaves standing 1 to 3 feet above water. Flowers white. Hardy, each 25c.

**CAT-TAIL.** (Typha latifolia.) One of the favorite native swamp plants. Hardy, each 25c.

**IRIS PSEUDACORUS.** (Yellow Flag.) Yellow flowers of the Japan Iris type. Hardy, each 25c.

**LUDWIGIA MULERTTI.** One of the prettiest of the submerged plants. For bunch of 5 strands, 15c.

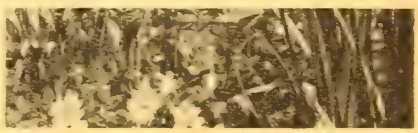
**PARROT FEATHER.** (Myriophyllum proserpinacoides.) Quite successful in a tub or water-tight hanging basket. Hardy, for bunch of 5 strands, 15c.

**PICKEREL RUSH.** (Pontederia cordata.) Blue flowers produced freely. Total growth about 2 feet. each 25c.

**WATER HYACINTH.** (Eichhornia Crassipes Major.) Flowers delicate lilac rose in trusses like a Hyacinth. Each 10c; per dozen $1.00.

**WATER LETTUCE.** Soft green, fuzzy plants that float on the water; very fine for spawning fish. Each 10c; per dozen $1.00.

**WATER POPPY.** (Hydrocleis nymphoides.) The leaves float. Flowers are large and yellow, similar to the California poppy, each 10c.



# GERMAIN'S PREFERRED

For a varied succession of bloom the Perennial Garden easily takes top rank. The many and varied changes that take place every week furnish constantly changing panorama of beauty and in addition furnish a profusion of flowers for cutting. The perennial class keep on blooming for you year after year with a minimum of labor and expense.

Anemone Japonica

## ANEMONE JAPONICA

One of the late summer's most treasured flowers. Tall, stately plants bearing large buttercup shape flowers of white or shades of pink, in single or double types. Needs shade or semi-shade to do well.

**ALBA**—Single pure white.
**ALICE**—Semi-double rose pink.
**KRIEMHILDE**—Double rich pink.
**QUEEN CHARLOTTE**—Semi-double pink.
**RICHARD AHRENDS**—Semi-double shell pink.
**RUBRA FLORA PLENO**—Double rosy red.
**SEPTEMBER CHARM**—Single silvery pink.
**WHIRLWIND**—Double white.
**HUPEHENSIS**—Very early single mauve rose.

**30c each; $3.00 dozen.**

## AGAPANTHUS

**BLUE AFRICAN LILY. (Lily of the Nile).** Bearing clusters of bright blue flowers on stout stalks, similar to the Amaryllis in appearance and culture. Does well in partial shade. Also can supply the white variety. Strong divisions 25c each; $2.50 per dozen.

## ALSTROMERIA

**CHILIENSIS OR PERUVIAN LILY.** Here is a subject that should be in every garden. It blooms continuously from May to September. Buttercup yellow streaked with brown. 8 to 10 blossoms are borne on each spike. 35c each; $3.50 per dozen.

## BEGONIAS

One of the most desirable of bedding plants where shade predominates. Their colors are particularly attractive with foliage that proves a pleasing contrast with other material enjoying similar cultural requirements. Use plenty of leaf mould and you will not find any difficulty in their growing.

**LUMINOSA.** Dainty red flowers on plants growing about one foot high. 3 for 35c; $1.00 dozen.

**PRIMA DONNA.** Same type with flowers of an attractive pink shade. 3 for 35c; $1.00 dozen.

**LUCERNE.** Tall growing variety with large clusters of beautiful pink flowers. 25c each; $2.50 dozen.

## COLUMBINE (Aguilegia)

Few flowers equal this favorite for general garden purposes.

**LONG SPURRED HYBRIDS.** Distinctly improved flowers that bloom profusely over the airy, attractive foliage. 3 for 40c; $1.50 dozen.

## CANTERBURY BELLS

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer. 3 for 40c; $1.50 dozen.

## DIGITALIS (Foxglove)

Hardy, handsome plants with stems 4 feet, covered with flowers ranging from pure white to deep rose together with crimson, and other shades. 15c each; $1.50 dozen.

## CARNATIONS

**Carnations are ready for shipment about March 1st.**

Great as the popularity of the carnation may have been we feel safe in predicting that it will enjoy even greater popularity as these new varieties are grown and appreciated by the garden-minded public.

**AMIGO.** Radiating cheerfulness everywhere it is grown. Rosy coral deeply ingrained with madder lake.

**CANDLELIGHT.** Well named and we feel certain headed toward fame. Wax-like petals of a heavy yellow coloring, flame streaked.

**HARVEST MOON.** "How large the harvest moon tonight." You can change tonight to today when you grow this carnation. Fiery orange, large flowered, well carried upon its stem.

**35c each; $3.50 dozen.**
**One each of the three varieties for $1.00 postpaid.**

### POPULAR VARIETIES

**MELROSE**—Pink, a definite pink.
**PATRICIAN**—The finest white we have been able to find.
**RADIOLITE**—Rich glowing scarlet that has made it a favorite.
**SATELLITE**—Considered by the critical the best scarlet.
**VIVIAN**—The queen of the medium pinks.
**WOBURN**—A large flowered crimson.

**3 of any variety 50c; $2.00 per dozen.**
**One each of the six varieties for $1.00 postpaid.**

Delphinium English Hybrids

## HOLLYHOCKS

**HYBRIDS.** Where height and color are required in the garden, Hollyhocks are indispensable. All shades mixed. 3 for 40c; $1.50 dozen.

Dianthus Beatrix

## NEW DIANTHUS BEATRIX

The outstanding Dianthus as yet introduced into Southern California. A compact border or bedding perennial from six to eight inches tall. The accompanying illustration shows the dense clustering habit of the blooms, which are very double and about 1¼ inches in diameter. The foliage is dark green and the flowers are very fragrant. This Dianthus is available in Salmon Pink or Rose Red. 3 for 40c; $1.50 dozen.

## DELPHINIUMS (Hardy Larkspur)

**BELLADONNA.** The freest blooming of all. The turquoise blue of its flowers is unequaled for delicacy and beauty. 3 for 40c; $1.50 dozen.

**BELLAMOSUM.** This is a dark blue form of the popular light blue Belladonna. 3 for 40c; $1.50 dozen.

**ENGLISH HYBRIDS.** Our strain includes a variety of glorious shades of blue from the palest sky-blue through the intermediates to the darkest blue colors. For a mass effect of blue there is nothing to equal this strain of Delphinium. 25c each; $2.50 dozen.

## GAILLARDIA (Blanket Flower)

**PORTOLA.** This worthwhile perennial is one of the grandest subjects for the garden and cut flower purposes. The blooms are blood-red with yellow edge and maroon center. Flowers continuously. 3 for 40c; $1.50 dozen.

**GAILLARDIA BURGUNDY.** A new introduction. A decided improvement on the older type in that the color is a clear maroon red without the yellow tips. 3 for 40c; $1.50 dozen.

## GERBERAS (See Color Page)

## GEUM (Avens)

An extremely showy border plant growing about 15-in. to 18-in. high and producing bright colored flowers in great profusion.

**MRS. BRADSHAW.** Bright scarlet. Excellent for rockeries, bedding, and cut flowers.

**LADY STRATHEDEN.** A rich golden yellow. Either variety. 3 for 40c; $1.50 dozen.

## HELIOTROPE

**BLACK BEAUTY.** An old time favorite but in a new dress. Dark foliage, so dark it carries a sheen like dark steel with the darkest purple flowers you have ever seen. Fragrant, of course. 50c.

## LIATRIS

**PYCNOSTACHYA.** This beautiful perennial is perhaps better known as Gay Feather or Blazing Star. Flowers in rosy purple spikes. Field divisions, 25c each; $2.50 dozen.

## MYOSOTIS (Forget-Me-Not)

**BLUE BOY.** Rich blue, floriferous and effective. Grow well in most any position. 3 for 40c; $1.50 dozen.

## MARGUERITE OR PARIS DAISY

Splendid for the perennial border, or as borders along driveways, etc. Available in white or yellow. 3 for 40c; $1.50 per dozen.

# PERENNIAL PLANTS

Erigeron

**ERIGERON SPECIOSUS SEMPERVIRENS.** An improved variety of speciosus that continues to flower over about a nine month period. A superb cut flower of long lasting quality and grace that make it much prized by every flower enthusiast. Flowers a rosy lavender with a contrasting yellow center. 25c each; $2.50 dozen.

## Cannas

**AMBASSADEUR.** Appropriately referred to as the "Bronze Leaved President"; a wonderfully vigorous free-flowering brilliant cherry red. 5 feet.

**CARMINE BEAUTY.** Bright red carmine flowers produced freely in large trusses above dark foliage. 4 feet.

**COPPER GIANT.** An immense flower on a very vigorous plant, color madder-red suffused with rose. 4 feet.

**ENCHANTRESS.** Unapproached in quality or beauty. Color a delicate old rose passing to salmon as the flower ages.

**HUNGARIA.** An ideal pink bedder, flowers large in good sized trusses produced very freely, color a beautiful rose.

**KING HUMBERT.** Perhaps the most widely grown of all cannas. The orange flowers surmount beautiful foliage.

**LA FRANCE.** A beautiful shade of La France rose with a touch of cream.

**LOUIS CAYEUX.** Giant flowered variety with blooms of coral-red deepening to rosy-scarlet, giving a two-tone effect.

**METEOR.** The rich crimson-red flowers form immense trusses of great beauty. They are borne well above the foliage and are produced in the greatest profusion.

**PRESIDENT.** The greatest red canna. It is neither a crimson nor a scarlet, but a glowing pure red which colorists call vermillion. Green leaves. 4½ feet.

**QUEEN HELENE (Yellow King Humbert).** Immense flowers of a rich golden-yellow spotted with vermillion. Green leaves.

**SAN DIEGO.** A true orange without red suffusion. Bronze leaves.

**Price of the above: 3 for 40c; $1.50 doz.**

## PETUNIA

**NEW DOUBLE PEONY FLOWERED.** We honestly believe our strain of these petunias to be the finest anywhere; colors include white, lavender, various shades of pink, red, purple, etc. 25c each; $2.50 dozen.

**GIANT RUFFLED.** A new strain with beautifully ruffled and fringed flowers and open well-marked throats. Especially valuable for its compact and upright growth. 3 for 40c; $1.50 dozen.

**PHYSOSTEGIA VIRGINIANA.** A hardy herbaceous perennial of easiest culture, yet occupying a very desirable place in the list of choice plants because of its flowering at a time when so many gardens are short of color in late summer. This variety offered is a shade darker rose in color than the type. 25c each; $2.50 dozen.

## GERANIUMS

The enormous strides and improvements in this flower in recent years and the advent of our Spanish houses and gardens have made the Geranium exceedingly worth while for use in beds, borders, ornamental pots and many other ways.

### Improved Singles

**GERTRUDE PEARSON.** One of the finest of all pink Geraniums Pure rose-pink with large white eye.

**JACQUERIE.** Probably the finest dark-crimson single Geranium.

**MARGUERITE DE LAYRE.** Pure white. We consider this variety the best white single.

**MAXIME KOVALESKY.** An unusual color and easily one of the most striking extant for bedding—the nearest approach to orange to be found in Geraniums.

**MRS. E. G. HILL.** An exquisite shade of soft, light salmon: does not fade.

**LACADRE.** A new French variety that is among the most popular. Bright red with distinct eye

**PAUL CRAMPBEL.** Generally recognized as one of the best scarlets.

### Doubles and Semi-doubles

**ALPHONSE RICARD.** Handsome, perfectly formed semi-double flowers of bright orange-scarlet.

**BEAUTE POITEVINE.** Semi-double. A most dependable variety, one that can be relied upon to freely produce its lovely rose salmon-pink flowers.

**MONS. EMILE DAVID.** A most unusual color. The very large flowers are mauve-rose, lightly feathered white.

**RED BARNEY.** Dwarf growing, an early and free bloomer of bright red.

**RED WHORL.** Something entirely distinct in a geranium. The petals of the flower are quite numerous, narrow and twisted at the ends, giving the effect the name indicates. 35c each: $3.50 dozen.

**S. A. NUTT.** The darkest red geranium of all; rich deep velvety crimson.

### Fancy-Leaved

**BRONZE BEAUTY.** An exquisite plant. Bronze foliage, zoned and variegated with contrasting colors.

**MME. LANGUTH.** Silver white leaves and cherry-red flowers.

### Ivy-Leaved

This is the trailing or creeping geranium especially suited for covering banks, hillsides, parkings, in window boxes, etc.

**CHARLES TURNER.** The best known Ivy Geranium and the most useful for all around purposes. Deep, bright rose-pink with flowers of large size.

**ETINCELANT.** Intense orange-scarlet flowers of extra large size.

**All Geraniums except Red Whorl are 3 for 40c; $1.50 dozen.**

Maxime Kovalesky

Hemerocallis

## HEMEROCALLIS (Day Lilies)

Beautiful hardy perennials belonging to the lily order with long, narrow leaves and yellow or orange flowers, many of which possess a delicious fragrance.

### New Introductions

Below we are offering six new Hybrid Hemerocallis of great merit. There is no doubt in our minds that when they become cheaper they will replace old sorts.

**BAY STATE.** Brilliant and glistening deep yellow flowers on 4-foot stem. In full bloom about June 28th.

**GYPSY.** Brilliant deep orange flowers on 3-foot slender stem. In full bloom July 5th.

**J. A. CRAWFORD.** Rich apricot-yellow shaded light cadmium. Many flowers on 4-foot stems; at their best about June 25th. A lovely plant.

**LEMONA.** Delicate and pale lemon-yellow flower on 4½-foot stems. Blooms are at their best July 1st. One of the finest large blooms, much like a Japanese Iris.

**MRS. W. H. WYMAN.** Lovely light pale lemon-yellow flowers on 4-foot stems. In full bloom August 1st. Very free-flowering and lasts a long time.

**THE GEM.** Rich, deep orange-yellow flowers on 3½ to 4-foot stems. In full bloom June 20th. Very finely formed bloom, equal to the best Lilies.

**Any of the above new varieties in strong divisions, 60c each.**

### Standard Sorts

**AURANTIACA.** A strong growing and free-flowering variety, producing rich orange-yellow flowers in summer. 2 ft.

**FLAVA. (Lemon Lily).** Sweet scented, clear full yellow; 2½ feet. flowers in June.

**FLORHAM.** A strong grower, 2 to 3½ feet high, large trumpet-shaped flowers; golden yellow, with Indian yellow.

**FULVA. (Brown Day Lily).** Coppery orange, shaded crimson. 4 feet. July

**KWANSO.** Large, double-flowered variety with rich golden bronze. July.

**THUNBERGI.** Much like Flava, but flowers in July, a month later. Spikes 3 to 3½ feet tall, and pale yellow blossoms.

Any of the above 3 for 50c; $1.75 dozen.
One each of the six varieties for $1.00 postpaid.

## SCABIOSA

**CAUCASICA.** Soft lavender blue, especially esteemed for cutting.

**ISAAC HOUSE GIANT HYBRIDS.** A wonderful new strain. Flowers exceptionally large. Beautiful shades of lavender.

**PINK ENCHANTRESS.** This lovely pink shade is something entirely new in a perennial Scabiosa. The flowers two or three inches across are like the caucasica type

**Any of the above, 3 for 40c; $1.50 dozen.**

# GERMAIN'S PERENNIALS

## PELARGONIUMS
(Martha Washington Geraniums)

**LUCY BECKER.** Rose-pink with dark maroon blotches. Particularly free and early bloomer.
**MRS. KRUMB.** Pale, soft rose, upper petals blotched deep purple-red.
**PETER HOSER.** Fiery brick-red with black blotches.
**WURTEMBERGIA.** Bright carmine flowers with large blotches.

**Any of the above in 3-in. pots, 3 for 50c; $1.75 dozen.**

## PERENNIAL ASTERS
(Michaelmas Daisies)

**CLIMAX.** Lavender blue; grows to a height of 3 to 4 feet. One of the largest flowering.
**MAUVE CUSHION.** Entirely distinct, forms a low cushion-like plant 2½ feet across. Flowers are delicate mauve.
**ROSEUM.** Similar to Climax in form, grows to a height of 3 feet. Flowers deep rose pink, very showy.
**WHITE CLIMAX.** Pure white, grows to a height of 3 to 4 feet.

**Price: Any of the above in Field Divisions at 3 for 40c; $1.50 per dozen.**

## TRITOMAS

Their large torch-like spikes of bloom, reaching up to 6 feet, and fine, grassy foliage, makes them conspicuous in the garden. They associate well with the various grasses, cannas, etc., and do splendidly at pools.

**CHRYSANTHA.** Bright lemon-yellow.
**HENRY A. DREER.** An extremely large-flowered, bright orange.
**PFITZERII.** A constant-blooming variety. Orange scarlet.
**QUARTINIANA.** A giant variety that grows 6 feet or over. Orange-red and yellow.
**TORCHLIGHT.** A new introduction bearing torch-like flowers on tall stately stems. Beautiful.

**Any of the above, 3 for 50c; $1.75 dozen.**

## HERBS

The old fashioned garden herbs have come back into popularity. The following varieties are all perennials:

**CATNIP** (Nepeta Cateria)
**CHIVES** (Allium Savitum)
**SPEARMINT** (Mentha Spicata)
**SAGE** (Salvia Officinalis)
**LAVENDER** (Lavendula Vera)
**PARSLEY** (Petroselinium Hortense)
**ROSEMARY** (Rosemarinus Officinalis)
**THYME, BROAD LEAVED** (Thymus Vulgaris)

**3 in. pots, 3 for 40c; $1.50 per dozen.**

Aloe Variegata

## PERENNIAL PHLOX

Phlox are gorgeous in color, extremely effective in the garden, exquisitely fragrant and easily grown. Our plants are strong field divisions that will bloom continuously throughout the summer and fall.

**ALBION.** Pure white with pale pink eye; beautiful and vigorous.
**B. COMTE.** A pretty shade of purple overlaid with crimson with a very dark eye. An excellent variety.
**BRIDESMAID.** A pure white phlox with a distinct crimson eye.
**CREPUSCULE.** A flower with a suffusion of mauve over a white ground; rosy purple eye. Effective and striking.
**ECLAIREUR.** One of the newer colors in phlox. Brilliant rosy-magenta with lighter halo.
**GEN. VON DIEDEM.** Brilliant and beautiful; rich dark salmon scarlet.
**LEO SCHLAGETER.** Light carmine-scarlet with orange reflex. Bears immense heads of large florets.
**MICHAEL BUCHNER.** One of the old-time favorites. Pale clear lavender of great beauty.
**GOLIATH.** An unusually large bright orange-scarlet.
**LA VAGUE.** Large trusses of a delicate shade of soft pink.
**MRS. JENKINS.** One of the oldest of the phlox family and still one of the best and probably the most popular of pure whites.
**OBERGARTNER REICHENAU.** Bright rose colored flowers, extra large in size. Strong, compact grower. Very desirable.
**PANTHEON.** An elegant shade of bright rose pink with a distinct dark eye.
**PROF. SCHIELEMANN.** An attractive shade of lilac-rose with slightly conical-shaped trusses.
**RHEINLANDER.** Large blossoms and trusses of a beautiful salmon-pink with carmine-crimson eye.
**RYNSTROM.** A superb shade of dark salmon rose.
**SELMA.** Clear, bright rose with a distinct carmine-crimson eye.

**Collection of one of each for $2.50. 3 for 50c; $1.75 per dozen.**

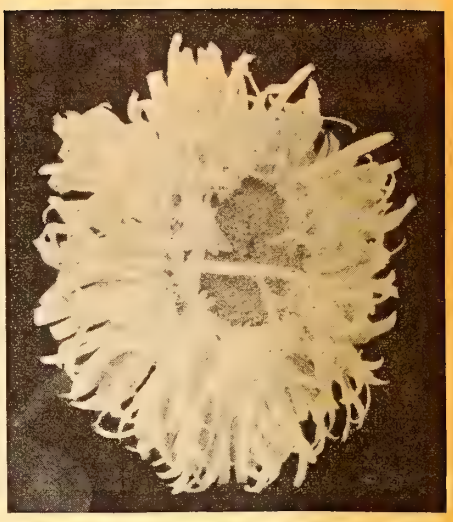
## SUCCULENTS

**ALOE VARIEGATA.** (Partridge Breast Aloe) One of the choicest of succulents. The plant itself is very interesting in form and the white dots scattered over the green of the leaves make it quite unusual. Even the flower carries more interest than the average succulent. 35c each; $3.50 dozen.
**ALOE HUMULIS.** One of the better aloes for pot growing. Gray foliage. 3 for 40c; $1.50 dozen.
**KALANCHOE GLOBULIFERA COCCINEA.** Bright red clusters of flowers equal to any pot subject. 25c each.
**SEDUM GUATAMALENSI.** Tubular foliage tipped bright red in winter. 3 for 40c; $1.50 dozen.
**CRASSULA ARBORESCENS.** Very fleshy bright green leaves. 3 for 40c; $1.50 dozen.
**ECHEVERIA GLOBULIFERA.** Flat rosettes of fleshy leaves. 3 for 40c; $1.50 dozen.

## CACTI

**OPUNTIA MICRODASYS (Bunny Ear Cactus).** Good house plant. 3 for 40c; $1.50 dozen.
**ECHINOPSIS CAMPYIACANTHE (Sea Urchin Cactus).** Button shaped with flowers larger than plant. 3 for 40c; $1.50 dozen.
**CEREUS HILDMANNIANUS.** Columnar plants of a blue green cast. 25c each.
**EPIPHYLLUM ACKERMANN.** The popular hanging basket and pot cactus that carries such large red flowers. 50c each.

**PLANT BARGAIN NO. 27B**
Collection of 4 cacti and 6 succulents, at (postpaid)..... **$1.75**



Double Shasta Daisy

## SHASTA DAISIES

**NEW DOUBLE.** Unique in type, outstanding in character. This wonderful new perennial characterized by petals, a clear clean white in color with a contrasting yellow center. Attractive in foliage; free flowering. 35c each; $3.50 dozen.

**GLOIRE DE VITRY.** Immense white single flowers in abundance on long strong stems. 3 for 40c; $1.50 dozen.

## VIOLET (Viola Odorata)

**PRINCESS OF WALES.** Large and with good stems several inches in length. Succeed best in partial shade. 3 for 40c; $1.50 dozen.
**GOVERNOR HERRICK.** A comparatively recent introduction. Light blue and fragrant with the distinct advantage of growing satisfactorily in full sun. Potted plants, 3 for 40c; $1.50 dozen.

## VERBENA

A garden favorite. The plants offered are all grown from cuttings and therefore are true to color, size and type.
**BEAUTY OF OXFORD**—Clear pink.
**BLUE TRIUMPH**—Fragrant and the nearest to blue yet obtained.
**CRIMSON KING**—Bright red.
**EVA WILLMONT**—Deep rose pink.
**SNOW WHITE**—Pure white.

**3 for 40c; $1.50 dozen.**

## ROCK GARDEN COLLECTION

**ACHILLEA TOMENTOSUM (Woolly Yarrow).** Bear flat heads of attractive yellow flowers. 3 for 40c.
**ARABIS ALPINA.** A dainty white flowered subject that is not particular as to soil but does enjoy full sun.
**ARMERIA MARITIMA (Sea Pink).** Grass-like tufts of vivid green with pink button flowers on three-inch stems. 3 for 40c.
**ASTER ALPINUS.** A dwarf perennial aster carrying bright blue, yellow centered flowers. 25c each; $2.50 dozen.
**CERASTIUM TOMENTOSUM (Snow in Summer).** A very lovely white rock garden perennial of real merit. 3 for 40c.
**CONVOLVULUS MAURITANICUS.** A vivid blue flowering plant that forms dense mats of gray foliage. 3 for 40c.
**NEPETA MUSSINI.** Dainty light blue flowers carried above a gray foliage. A very pleasing contrast. 3 for 40c.
**ONEOTHERA ROSE.** A pink primrose with flowers an inch or more across. Bright green foliage. 3 for 40c.
**VERONICA REPENS.** One of the best carpeting plants available with its well matted stems bearing green foliage and short spikes of vivid blue in the early spring. 15c each; $1.50 dozen.
**VITTADINIA TRILOBA.** Dainty daisy-like flowers of white turning pink as they age. 3 for 40c.

**PLANT BARGAIN NO. 27A**
Entire collection of ten plants suitable for either rock garden or border, $1.45 value at (Postpaid)..... **$1.25**

# ORNAMENTAL VINES AND TRAILERS

**AMPELOPSIS VEITCHI (Boston Ivy).** Clinging vine, changing from green in summer to red and yellows in fall. 35c.

**ANTIGONON LEPTOPUS (Rosa de Montana).** Rapid climber with large leaves covered with pink blossoms. 60c.

**BIGNONIA CHERERE (Red Trumpet Vine).** Evergreen climber with long, tubular, blood-red flowers, yellow at the base. 50c.

**BIGNONIA TWEEDIANA (Yellow Trumpet Vine).** Slender green leaves and canary yellow trumpet-shaped flowers. 50c.

**BIGNONIA VENUSTA (Orange Trumpet Vine).** Vivid orange flowers, in great masses. 50c.

**BIGNONIA VIOLACEA (Violet Trumpet Vine).** Large flowers of delicate violet. Foliage large and glossy. 50c.

**BOUGAINVILLEA BRAZILIENSIS.** Showy plant with brilliant reddish purple flowers and bright green foliage. 50c.

**BOUGAINVILLEA CRIMSON LAKE.** The most beautiful of the bougainvilleas. Large and brilliant crimson flowers. Gallon 75c, 5-gallon size $2.00.

**CLEMATIS PANICULATA.** Vigorous climber used for covering porches, fences, etc. Fragrant white flowers in large quantities. 50c.

### DISTICTIS CINEREA

Fast climbing into first rank among the vines. Lavender bignonia-like flowers eight months of the year. Great clusters of these fragrant flowers borne profusely against its handsome foliage. $1.00.

**FICUS REPENS (Creeping Fig).** A vine endowed by nature with clinging faculties that makes it very useful. Rapid growing with clean green foliage. 35c.

**GELSEMIUM SEMPERVIRENS (Carolina Jasmine).** Graceful vine, good foliage, myriads of clear yellow flowers. 50c.

**HEDERA HELIX (English Ivy).** Evergreen climber, dark, glossy leaves, excellent for covering banks, walls, trunks of old trees, etc. 3-in. pots 15c, gallon size 35c.

**HEDERA HELIX MADERIENSIS.** New large variegated-leaved English Ivy. Leaves beautifully blotched with light and dark green and creamy yellow. 35c.

Bougainvillea Rosea

### BOUGAINVILLEA BRONZE LAKE

Copper bronze with just a touch of pink overlay in the center of what is usually called the flower. Let your imagination wave a magic wand over your favorite vine of Crimson Lake and change it to bronze flowers, and you have this new introduction which we are so proud to offer. $1.25 each.

### BOUGAINVILLEA ROSEA

Enormous trusses of rose pink flowers borne in superabundance on a vigorous growing vine whose only desire seems to be to flower for those who are fortunate enough to plant it. $1.00 each.

**HOYA CARNOSA (Wax Plant).** Evergreen twining plant with thick shiny oblong leaves and small star-shaped pink and white flowers of waxy texture. 50c.

**JASMINUM GRANDIFLORA (Catalina Jasmine).** Hardy and vigorous. Very fragrant. Used in the finest perfumes. 50c.

**JASMINUM PRIMULINUM.** Slender, green branches and glossy green leaves. Primrose yellow flowers. 35c.

### JASMINUM STEPHANENSE

A pink jasmine. Really we mean just that. One that seems to carry even more fragrance than some of the older varieties. Its dainty pink flowers are an added attraction to even the loveliest of gardens. 60c each.

**LONICERA HALLEANA (Hall's Japanese Honeysuckle).** Delightfully fragrant white flowers changing to yellow. 35c.

### LONICERA SEMPERVIRENS

Scarlet flowered honeysuckle of exceptional merit. The long tube shaped flowers are a pleasing contrast to the very green foliage. 50c.

**RHYNCHOSPERMUM JASMINOIDES (Star Jasmine).** Marvelously perfumed vine from the Malay Peninsula with large leathery and glossy leaves together with myriads of little star-shaped white flowers. 50c.

**SOLANDRA GUTTATA (Cup of Gold).** Six inch cup shaped golden flowers, all that their name indicates. Foliage quite large. A rapid grower. 75c.

**SOLANUM RANTONETTI (Potato Vine).** May be treated as a vine or a trailing shrub. Attractive violet purple flowers in abundance. 35c.

**TECOMA AUSTRALIS.** Rapid grower. Dense, glossy green foliage. Covered with small cream-colored flowers. 35c.

**TECOMA CAPENSIS (Cape Honeysuckle).** Shrub or half climber. Thick, bright green foliage and bright red trumpet-shaped flowers. 35c.

**TECOMA MACKENII.** Large bright pink, trumpet-shaped flowers. 35c.

**WISTARIA PURPLE.** Long racemes of purple colored pea-shaped flowers that almost cover the plant. 5-gallon size $1.50. Also pink or white.

# PALMS AND GRASSES

Kentia Palm

**COCOS PLUMOSUS (Queen Palm).** Very popular; topped with a plume-like crown of feathery, graceful leaves. Heavy balled plants. 3 to 4 ft. $1.50, 4 to 5 ft. $2.00.

**KENTIA FOSTERIANA.** By far the most satisfactory indoor palm. 4 in. pots 50c; 6 in. pots $1.50.

### STRELITZIA REGINA

If one could as successfully combine words in describing this as nature has combined colors one would be an artist indeed. Called Bird of Paradise because it rivals the birds of the tropics in its grace, poise and color. Red, blue, yellow, orange combine in such artistic arrangement as to cause one never to forget the flower when once it has been seen. 4 in. pot, $1.00 each; 6 in. pot, $1.50 each.

**CORTADERIA ARGENTEUM (Pampas Grass).** Forms a large clump of grass-like leaves topped by great silvery white plumes. 35c.

**CYPERUS PAPYRUS (Egyptian Paper Plant).** Tall and graceful aquatic plant. Feathery tufts of leaves on tall reed-like green stalks. 35c.

**MUSA ENSETE (Abyssinian Banana).** Clumps of tall slender trunks with very large foliage. The popular ornamental banana. 35c.

**PHOENIX CANARIENSIS (Date Palm).** Most popular palm in Southern California. Immense crown of curving leaves, dark green, stately and rapid grower. 35c.

Strelitzia Regina

**PHOENIX ROEBELINI.** Beautiful dwarf palm, grows only about 3 feet with slender trunk and arching head of bright green fronds. Somewhat tender. 5 in. pots $1.50.

**PHORMIUM TENAX, VARIEGATED (New Zealand Flax).** Strong clump of long stiff-pointed leaves, variegated. 35c.

**WASHINGTONIA ROBUSTA.** California's own native palm. Tall, drought resistant type with fan shaped leaves. 35c.

# GERMAIN'S PREFERRED

Abelia Floribunda

**ABELIA FLORIBUNDA.** New, graceful, colorful, easily grown. All are words fittingly applied to this new red flowering Abelia. Flowers almost fuchsia-like, attractive in color. 75c.

**ABELIA GRANDIFLORA.** Small, shiny, bronzy-green foliage covered with clusters of small fragrant pinkish white flowers. 35c.

**ARBUTUS UNEDO (Strawberry Tree).** Bushy and spreading, foliage similar to California Holly. Pearl white flowers followed by clusters of brilliant red strawberry-like fruit. 50c.

**ALSEUOSMIA MACROPHYLLA. (New England Honeysuckle).** A shrubby honeysuckle that becomes a welcome addition to any planting. Long, tubular, fragrant, deep crimson flowers borne almost continuously. Rapid grower. 60c.

**ASCLEPIAS TUBEROSA (Butterfly Weed).** A drought resistant lusty perennial with showy orange red flower heads of much interest. 35c.

### AZALEAS

A favorite of every garden lover, bringing color into those shaded places in early spring when color is so lacking. Growing from two to four feet high and, one might say, as much across and completely covered with flowers of marvelous shades of pink, white, red, yellow and copper, depending upon the variety selected. Easy of culture providing your soil is slightly acid. This can be accomplished through the liberal use of leaf mould or peat in a well drained soil. Liberal watering and occasional cultivation spell much joy in any garden language.

**EVERGREEN SPECIES**

**Amoena**—Superb semi-double claret red.
**Hinodigiri**—Bright cherry red.
**Macrantha**—Deep salmon red.
**Maxwelli**—Carmine red.

**DECIDUOUS SPECIES**

**Mollis**—Shades of yellow and orange.
**Pontica**—Fragrant soft yellow.
**$1.00 each. 1 each of six varieties, $5.00.**

**BERBERIS DARWINI (Darwin's Barberry).** Holly-like leaves, small and glossy, turning red in winter. Orang. flowers followed by purple berries. 50c.

**BERBERIS WILSONI (Wilson's Barberry).** Small, gray-green foliage turning to reddish bronze in fall. Golden yellow flowers followed by salmon-red berries. 50c.

**BUDDLEIA ASIATICA (Butterfly Bush).** Silvery green foliage bearing in winter many slender spikes of very fragrant white flowers. 35c.

**BUDDLEIA HEDGEWEGIA.** Improved type of Magnifica bearing much larger and fuller lavender purple flowers. 35c.

### BUDDLEIA

**Ile de France.** The newest of this popular species and gaining in favor every day. Perfectly shaped trusses of flowers of a very desirable shade of purple so much in demand. 50c.

**BUXUS JAPONICA (Japanese Boxwood).** Low, dense growth, small and glossy green foliage. Pyramid shape, 18 in.-24 in. $1.50; 24 in.-30 in. $2.00. In flats of 100 plants $2.00.

**CALLISTEMON RIGIDUS (Bottle Brush).** Long, red antlers forming a flower similar in shape to a bottle brush. 35c.

**CARISSA GRANDIFLORA (Natal Plum).** Dense and dark glossy, green foliage. Waxy white flowers, fragrant, followed by red cranberry-like edible berries. 50c.

**CASSIA ARTEMESOIDES.** Finely cut silvery grey foliage and yellow fragrant flowers. Gallon 35c.

**CEANOTHUS ARBOREUS (California Lilac).** Large, two-toned leaves, dark green above, silvery color underneath. Large trusses of light blue fragrant flowers. 50c.

**CEANOTHUS THYRSIFLORUS (California Lilac).** Fast-growing, small, dark green foliage, pale blue sweetly scented flowers. 50c.

Camellia Pink Perfection

### CAMELLIAS

The old idea that camellias are hard to grow is rapidly being dispelled and we find them very much in demand. This is easy to understand when one sees a plant well flowered and realizes the desirable varieties that are now obtainable within the price reach of anyone.

**PINK PERFECTION**—The most popular camellia grown in California. Dainty shell pink flowers so perfectly formed as to suggest they all came from a single mold. An early winter bloomer of exceptional merit and vigor.

**CHEERFUL**—Bright cherry red in color, very double, perfect in form and early flowering.

**PURITY**—As pure white as its name would indicate. Flowers of large size perfectly double and a very heavy flowering variety.

**DAI KAGURA**—One of the best of the variegated forms. Its dark pink and white markings so cleverly distributed as to make every flower differ in actual makeup. Flowers of good size.

**LADY CAMPBELL**—Another red differing in tone and texture from Cheerful to be very worthy of a place in any garden.

**Any of the five varieties in 4-inch pots 40c each; the five for $1.75. 6-inch pots $1.50 each; the five for $6.50.**

**Camellia Culture.** Camellias like a well-drained soil in a shady or semi-shaded exposure. Leaf mould, small quantities of well-rotted cow manure and bone meal take care of their fertility needs. Liberal watering with particular care never to allow the plants to become too dry insures great quantities of one of nature's most gorgeous flowers.

**CESTRUM PARQUI (Night-Blooming Jasmine).** Medium sized shrub, yellowish green leaves and stems, with clusters of cream-colored flowers, intensely fragrant, only at night. 35c.

**CHOISYA TERNATA (Mexican Orange).** Glossy deep green foliage and fragrant white flowers, resembling orange blossoms. 35c.

**CHORIZEMA ILICIFOLIA.** Low growing, holly-like foliage and orange-red pea-shaped flowers. 35c.

**CISTUS PURPUREUS.** A marvelous rock rose that does so well in Southern California that one wonders why it is not in every garden. Three-inch flowers of rosy purple, the petals yellow at the base with a maroon blotch. Enjoys full sun. 60c.

**CISTUS LADINIFERUS (Rock Rose).** Covered with pure white flowers having golden stamens in the center. 35c.

**CONVOLVULUS CNEORUM.** The foliage a silky or silvery gray which we are sure you will like. Single satiny white flowers in profusion. Needs a sunny situation. 60c.

**COPROSMA BAUERI (Varnish Plant).** Low growing, round waxy leaves, glossy as though varnished. 35c.

**COTONEASTER HEROVIANA.** Hanging, graceful branches, bluish green leaves with clusters of flesh-pink flowers followed by holly-red berries. 50c.

**COTONEASTER PANNOSA (Silverleaf).** Soft gray-green leaves, silvery underneath. White flowers followed by great masses of red berries. 35c.

**COTONEASTER PARNEYI.** A new cotoneaster from China. Large clusters of brilliant red berries. Very striking. 50c.

**COTONEASTER PROSTRATA.** One of the better of the prostrate dwarf types. Evergreen in most sections. Red berries. 50c.

**CROTALARIA CAPENSIS.** A spectacular plant with its yellow pea-shaped flowers which give the effect of canary birds clinging to a bough. Should be cut back heavily after each flowering period. 75c.

**CYTISUS CANARIENSIS (Broom).** Small leaved foliage covered with bright golden yellow flowers. 35c.

**CHIRONIA IXIFERA.** A pink flowered, low-growing shrub hailing from South Africa. The pink flowers borne atop the silvery gray stems and foliage are a very pleasing combination that is causing quite a stir among plant lovers of California. Should be massed to be really effective. 50c.

Chironia Ixifera

# EVERGREEN SHRUBS

**DAPHNE ODORA.** Those who want sweet scented flowers get a superabundance of perfume when this plant blooms. Planted in well-drained soil in semi-shade it soon becomes one of the prized possessions of the garden. 75c.

**DIOSMA ALBA (Breath of Heaven).** Dwarf and bushy with feather-like foliage, very fragrant. Small white, star-shaped flowers. 35c.

**DURANTA PLUMIERI (Golden Dewdrop).** Glossy, green leaves with long racemes of light blue flowers followed by yellow berries. 35c.

**ELEAGNUS PUNGENS (Oleaster).** Shrub of medium height usually growing with more width than height. Leaves covered with a peculiar scale-like coating of gold. 35c.

**ELEAGNUS PUNGENS VARIEGATA.** A variegated form of the above. 35c.

**ERICA MEDITERRANEA (Heather).** Compact and bushy with stiff stems and purple pink flowers. 35c.

**ERICA MELANTHERA (Heather).** Most popular heather. Covered from November to March with small rosy lavender flowers. 35c.

**ESCALLONIA LANGLEYENSIS.** Dense clusters of light pink flowers. Foliage green and glossy. 35c.

**ESCALLONIA ROSEA.** Much the same type as the rest with bright green foliage and pink flowers. 35c.

**ESCALLONIA RUBRA.** Dense and compact with large, shining, dark green leaves and deep red tubular flowers. 35c.

**EUGENIA HOOKERI.** Large, dark green leaves, reddish tipped, and cream-colored flowers followed by edible violet colored berries. 35c.

**EUGENIA MYRTIFOLIA (Brush Cherry).** Glossy green leaves, reddish on the new growth with flowers and berries same as above. 35c.

**EUONYMUS JAPONICA.** Foliage deep glossy green throughout. Compact and can be trimmed into various shapes. 35c.

**EUONYMUS JAPONICA AUREA VARIEGATA.** Leaves bright golden yellow in center with dark green edges. 35c.

**EUONYMOUS PULCHELLUM (Small Leaved Euonymus).** A very desirable subject for border or low hedge work. Foliage is very good green and always of good texture. 35c.

**FATSIA JAPONICA (Aralia).** Massive plant of tropical appearance with very large shiny green leaves deeply lobed. For shady place. 35c.

Eugenia Myrtifolia

**FREMONTIA MEXICANA.** One of the finest and most beautiful of flowering shrubs. Actually is a small tree with small fig-like grayish green leaves. The plants break out in late winter and spring with a gorgeous profusion of exquisite flowers two to three inches across of a deep orange-yellow streaked with crimson. Gallon size 50c; 5-gallon size $1.75.

**GARDENIA VEITCHI.** Waxy camellia-like fragrant flowers, white against very desirable dark green foliage, have caused this flower to be much in demand and the pride of every successful grower. 50c.

**GENISTA FRAGRANS (Sweet Broom).** Small grass-green leaves and absolutely covered when in bloom with pea-shaped yellow flowers. 35c. (See also Spartium and Cytisus.)

**GREVILLEA THELMANNIANA.** Small, finely cut foliage and many racemes of scarlet flowers. 50c.

**HAKEA SUAVEOLENS.** Rounded bush with needle-like leaves. Small, white, fragrant flowers. Tall. 35c.

**HARDENBERGIA LILACEA.** Excellent half-climbing shrub, with large beautiful foliage and spikes of deep blue flowers. 35c.

**HELIANTHEMUM OCYMOIDES.** Did you ever notice a flower in a garden that seemed to attract everyone who saw it? Sulphur yellow flowers with a purple eye at the base of the petal, set against a contrasting background of gray foliage, make it easy to realize why this plant is called the SUN ROSE. 50c.

Fuchsia

## FUCHSIAS

A colorful group of shade loving plants that are enjoying the popularity they so well deserved. Winged bell shaped flowers in contrasting or self colors so daintily borne and yet in such profusion as to make one wonder how nature could be so generous. These have been selected because of their adaptability to potted conditions as well as in the ground.

**35c each, $3.50 dozen**

**ALICE HOFFMAN**—Bright pink and soft white single flowers.
**AMY LYE**—Waxy white and orange red flowers on a compact growing plant.
**BLACK PRINCE**—Certainly the king of all of the single pinks.
**CARMEN**—Small single flowers, red and purple. Profuse bloomer.
**LUSTRE IMPROVED**—Waxy white and vermillion red. Single.
**MARINKA**—Semi-weeping habit. Flowers rich red.
**MARVEL**—Rich red and violet. Small double.
**MINISTER BOUCHER**—Large double flowered, red and soft lavender.
**MISS B. HESSE**—Large double bright red and pure white.
**MME. VAN DER STRASS**—Large semi-double flower of vivid red and white.
**MONSIEUR MOLIERE**—Double deep red and violet.
**OTTO**—Large flowered single of red and yellow.
**SOUV. DE HENRY HENKEL**—Long brilliant scarlet. Plum colored foliage.
**SWANLEY YELLOW**—A distinct shade of reddish yellow.
**TRIPHYLLA**—Long brilliant red tubular.

Hibiscus Agnes Gault

## HIBISCUS

One of the most colorful group of plants grown in California with its vivid flowers and bright glossy foliage. Tender to frost but usually starting from the base again and flowering that year.

**AGNES GAULT.** The finest of all. Immense single coral pink flowers. Always in flower.
**PEACHBLOW.** A pleasing shade of light pink.
**SINGLE RED.** The brightest colored and most profuse bloomer of all.
**DOUBLE PINK.** Marvelous double pink.
**DOUBLE RED.** Rich double red.

**All varieties 35c.**

**HOLMSKIOLDIA SANGUINEA.** Either shrub or climber is this brick red flowering plant that might be mistaken for a bougainvillea at a distance. Flowers almost the entire year. Plant in full sun and water liberally and you will be well rewarded. 75c

**HYDRANGEA.** Too well known to need any description. Each year, however, finds them being produced with larger flowers and better colors. We offer the improved large flowered, strong growing type that does well in shade or semi-shade. 35c.

**HYPERICUM MOSERIANUM (Gold Flower).** Low, spreading shrub bearing beautiful large and flat golden yellow flowers. 35c.

**ILEX AQUIFOLIUM (English Holly).** The well-known prickly and glossy foliage with the red berries. 50c

**ILEX CORNUTA.** A holly that has adapted itself as readily to our Southern California conditions as Ilex Aquifolia (more generally known as English Holly) did in England. Deep green in color of foliage; red berried. One can look forward to a generous planting in California. 50c.

**JASMINUM REVOLUTUM (Italian Jasmine).** Shrub or semi-climber with golden yellow flowers. 35c.

**LAURUS CERASUS (English Laurel).** Marvelous specimen shrub with its thick glossy dark green foliage and well shaped growth. 50c.

## LANTANA

Useful flowering shrub for hedges, fences and specimens. Available in the following varieties:

DWARF CREAM.
DWARF ORANGE.
DWARF PINK.
DWARF RADIATION—Orange red.
DWARF LEMON YELLOW.

**LANTANA—TRAILING.** Purple lavender trailer that blooms continuously in the warmer sections.

**Any of the above Lantanas 35c each**

# EVERGREEN SHRUBS

Nandina Domestica

**LAVENDULA VERA (Lavender).** The old-fashioned Sweet Lavender. Soft gray foliage and fragrant lavender flowers. 35c.

**LEONOTIS LEONORUS (Lion's Tail).** Rapid growing shrubby plant with heads of brilliant orange flowers. 35c.

**LEPTOSPERMUM LAEVIGATUM (Australian Tea Tree).** Large and spreading with grayish green foliage and a profusion of small white flowers. 35c.

**LIGUSTRUM CILIATUM (Privet).** Smaller growing than most privets, with large flower spikes and dense, heavy green foliage. 35c.

**LIGUSTRUM NEPALENSE (Nepal Privet).** Large glossy green leaves, graceful habit. Gallon 35c, flats of 100 plants $1.50.

**LIGUSTRUM OVALIFOLIUM AUREUM.** The well-known Golden Privet so common in Southern California. 35c.

**MAHONIA AQUIFOLIUM (Oregon Grape).** Dark spiny foliage and yellow flowers in dense clusters followed by purple berries. 50c.

**MELALEUCA HYPERICIFOLIA (Red Bottle Brush).** Medium size leaves, with large orange-scarlet flowers like bottle brushes. 35c.

**MURRAYA EXOTICA.** Orange scented, pure white flowers resembling small orange blossoms in clusters; very fragrant. Belonging to the orange family this new Australian species may be planted in the ground but grows small enough also to be kept in a pot for the conservatory. 60c.

**MYRTUS COMMUNIS (Roman Myrtle).** Shiny green foliage, highly aromatic, with many small white flowers followed by black berries. 35c.

**MYRTUS COMMUNIS COMPACTA (Dwarf Myrtle).** Dense and compact with small, dark shiny leaves. Low growing. 35c.

**NANDINA DOMESTICA (Heavenly Bamboo).** Rich red leaves when young, dark green later, beautiful coppery tones in winter, red berries in the fall. 35c.

### NERIUM—"Oleander"

Brilliant, showy flowers and light green foliage.
Atroplenissima—Dark Blood Red.
Mrs. Roeding—Double Salmon.
Single White.
Double Pink.
Any of the above Oleanders, 35c each.

**AZALEAS AND CAMELLIAS.** By H. H. Hume. Every point about growing both of these shrubs is carefully explained in this book—soils, time and method of planting, cultivation, mulching, pruning, frost protection, feeding, pot and tub culture, pests and diseases, and propagation. This information holds good for every region where either shrub is grown, indoors or outdoors. $1.50.

**PHOTINIA ARBUTIFOLIA (California Holly).** Well known California shrub of which the red berries are sold so much at Christmas. Large bush with large clusters of handsome red berries. 60c.

**PITTOSPORUM EUGENOIDES.** Large and glossy light green foliage. Fine for hedge or specimens. 35c.

**PITTOSPORUM TOBIRA (Japanese).** Round-headed shrub with deep, glossy green foliage and small fragrant orange-blossom-like flowers. 35c.

**PITTOSPORUM UNDULATUM.** Deep, glossy green leaves and yellow fragrant flowers. Tall. 50c.

**PLEROMA SPLENDENS (Queen Flower).** Flower a royal purple, perhaps the most intense purple in all the plant groups. Foliage a gray green of much interest. 50c.

**PLUMBAGO CAPENSIS.** Semi-climbing shrub covered for a long period with azure blue flowers. 35c.

**PRUNUS CAROLINIANA (Carolina Cherry).** A quick growing large shrub or small tree that is very useful in general planting. 35c.

**PRUNUS INTEGRIFOLIA (Carolina Cherry).** Large and glossy, dark green foliage, holly-like in form. Native of Catalina Island. 35c.

Prunus Integrifolia

**PSORALEA APHYLLA.** (Blue Broom)—Blue pea shaped flowers on a plant which resembles a broom. Its profuse flowering insures its welcome to every garden. 60c.

**PYRACANTHA CRENULATA.** Long, narrow leaves, glossy and dark green with bright crimson berries. 35c.

**PYRACANTHA FORMOSIANA.** Compact growth small, bright green leaves and berries of brightest Christmas red in enormous clusters. 50c.

**PYRACANTHA ATALANTOIDES.** A new red berried Pyracantha of exceptional merit. Myriads of berries so closely packed upon the stem that one wonders how the stem supports them all. 75c.

**PYRACANTHA KANSUENSIS.** Small, glossy green leaves with profusion of small bright colored fruits that remain on the plant throughout the winter months. 50c.

**PYRACANTHA LALANDI (Burning Bush).** Rich glossy green foliage with clusters of white flowers in the spring followed by a wealth of orange berries. 35c.

**PYRACANTHA YUNNANENSIS.** Similar in form to Pyracantha Crenulata with larger leaves and more vigorous growth and great masses of red berries that remain on the plant for several months in a magnificent display of color. 50c.

**RAPHIOLEPIS OVATA (Japanese Hawthorn).** Blunt, thick leaves with a mass of pink flower clusters in spring. Spicy fragrance. Keep for weeks after cutting. Purple berries in fall. 50c.

**RHAMNUS CALIFORNICA.** A native shrub that has a place in every planting where drought material is needed. 50c.

**RHUS INTEGRIFOLIA (Sumac) (Lemonade Berry).** Native of California, with deep green foliage and small pinkish white flowers followed by red fruits. 50c.

**RHUS OVATA.** Compact growth, broad, lustrous green foliage, light yellow flowers, followed by red fruits. 50c.

**ROSEMARINUS (Rosemary).** Narrow, dark green leaves, silvery underneath, highly aromatic and used for seasoning. 35c.

**SALVIA LEUCANTHA (Purple Salvia).** A very popular plant because of its ease in growing. Should be pruned to the ground after its blooming period. 35c.

**SOLANUM RANTONETTI.** See vines.

**SOLLYA HETEROPHYLLA.** (Australian Bluebell.) Trailing shrub with slender twining stems for covering banks, fences, etc. Brilliant small blue, bell-shaped flowers. 50c.

**SPARTIUM (Spanish Broom).** Strong and fast-growing with slender almost leafless branches. Large, pea-shaped yellow flowers, sweetly scented. 35c. (See also Genista, Cytisus.)

**STREPTOSOLON JAMESONI.** An attractive sub shrub of much interest because of the attractive orange yellow flowers. 35c.

**VERONICA DECUSSATA.** Dwarf, rounded leaves. Large, deep blue flowers. Medium size shrub. 35c.

**VERONICA IMPERIALIS.** Low and bushy, dark green leaves and reddish purple flowers. 35c.

**VIBURNUM SUSPENSUM.** Spreading and bushy, angled branches and large leaves, shiny and dark green. Flower clusters of white, tinged with pink. 35c.

**VIBURNUM TINUS (Laurustinas).** Medium-sized very dark green foliage and large, flat clusters of flesh-colored blooms with a peculiar fragrance. 35c.

**SHRUBS.** By F. F. Rockwell. Here is a book with brief but usable information on the best ways to improve the beauty and value of your home with shrubs. Tells what to select for different combinations and effects, and how to plant, water, mulch, prune, and care for shrubs. $1.25.

Spartium—Spanish Broom

# BROAD-LEAVED EVERGREEN TREES

Eucalyptus Erythrocorys

**EUCALYPTUS ERYTHROCORYS.** The red flowering eucalyptus seemed the ideal in flowering trees. Here is one, however, that might be called even more striking with its vivid scarlet bud caps and large heads of golden yellow flowers. Small growing tree, white barked with silvery foliage. There is certain to be much demand for it as it becomes known in California. $1.00.

**ACACIA BAILEYANA.** Fern-like, silvery blue-green foliage. Completely covered in the spring with great sprays of lemon-yellow flowers. 35c.

**ACACIA DEALBATA (Silver Wattle).** Large and spreading with fern-like bluish green foliage and golden yellow flowers. 35c.

**ACACIA FLORIBUNDA (Everblooming Acacia).** Fast-growing and upright with long, narrow leaves and creamy yellow flowers. 35c.

**ACACIA MELANOXYLON (Black Acacia).** Popular street tree. Does well at coast or in the interior. Light lemon-yellow flowers. 35c.

**COULTERIA TINCTORIA**
One of the most striking small trees that have been brought to our attention in recent years. Seed pods turn reddish in color during September and the following months and are borne so profusely as almost to cover the tree. Flowers are yellow in the early spring. 75c.

**BAUHINIA PURPUREA (Orchid Tree).** Medium-sized tree with two-lobed leaves and beautiful showy flowers 3 inches or more across, varying from deep pink to purple in color. 50c.

**CAMPHORA (Camphor Tree).** Dense, bright green, glossy foliage tinged with bronze in the spring. Popular street tree. 35c.

**CASUARINA STRICTA (Beefwood or She-Oak).** Hardy street tree that withstands alkali, drought, heat or cold. Bunchy, reed-like foliage resembling a pine. 35c.

**CERATONIA (Carob Tree or St. John's Bread).** Most popular Southern California street tree. Symmetrical shape and dense, glossy, evergreen foliage. 35c.

**EUCALYPTUS FICIFOLIA (Scarlet Flowering).** Large and dark glossy green leaves with great clusters of brilliant crimson flowers. 50c.

**EUCALYPTUS GLOBULUS (Blue Gum).** The most widely planted for windbreaks and fuel. 35c.

**EUCALYPTUS SIDEROXYLON ROSEA (Red Ironbark).** Very hardy, of medium size having masses of delicate pink flowers and long, narrow silver-gray leaves. 35c.

**EUCALYPTUS VIMINALIS (Manna Gum).** Long, pendulous, narrow leaves, and chalky white trunk. Very hardy. Stands more frost than Blue Gum. 50c.

**GREVILLEA ROBUSTA (Silk Oak).** Fern-like foliage, and covered in summer with comb-like yellow flowers. 35c.

**JACARANDA MIMOSAEFOLIA.** Round symmetrical head of light green, fern-like foliage and a mass of light violet-blue flowers in spring. 35c.

Quercus Suber

**MAGNOLIA GRANDIFLORA (Southern Magnolia).** Dark green, heavy and glossy foliage and large pearl-white, intensely fragrant flowers measuring 6 to 8 inches across. 35c.

**QUERCUS AGRIFOLIA (California Live-Oak).** Evergreen with spiny-toothed leaves making a large, dense, handsome tree. 35c.

**QUERCUS SUBER (Cork Oak).** Similar to "Live-Oak" in foliage. Source of cork which is derived from its bark. 50c.

**SCHINUS MOLLE (California Pepper).** Beautiful, unique and popular. Grows anywhere in Southern California with little care. 35c.

**STERCULIA DIVERSIFOLIA (Bottle Tree).** Narrow, tapering trunk, bright green foliage. Excellent for narrow parkways. 35c.

**ULMUS PARVIFLORA (Evergreen Elm).** A beautiful Elm bringing the beauty of this tree in an evergreen form. Small leaves and slender drooping branches giving the effect of a Weeping Willow. A magnificent lawn specimen. 50c.

# DECIDUOUS SHADE TREES---CONIFERS

**ACER DASYCARPUM (Silver Maple).** The best Maple for the Pacific Coast, making a beautiful fast growing tree. 6-8 feet 75c.

**BETULA ALBA (White Birch).** A slender, graceful tree with picturesque white bark. Very popular. 6 to 8 ft. 85c.

**CATALPA SPECIOSA (Western Catalpa).** A very hardy open tree suitable for all regions. Large leaves and great trusses of white spotted flowers in the spring. 6 to 8 ft. 75c.

**FRAXINUS VELUTINA (Arizona Ash).** Rapid growing, fine for Arizona and California. 6-8 ft. 75c.

**MELIA AZEDARACH UMBRACULIFORMIS (Texas Umbrella).** A desert favorite yet thriving on the coastal region. A splendid shade tree with a symmetrically rounded crown. 4 to 6 ft. 85c.

**PLATANUS ORIENTALIS (European Sycamore).** Rapid grower with bright green maple-like foliage. An excellent tree under most all conditions. 6 to 8 ft. 75c, 8 to 10 ft. $1.00.

**PLATANUS RACEMOSUS (California Sycamore).** Native of the California foothills. Spreading and heavily branched, with soft green foliage. 6 to 8 ft. $1.00.

**POPULUS NIGRICA (Lombardy Poplar).** Tall, slender, and narrow, used for driveways, etc. Rapid grower. 6 to 8 ft. 60c; 8 to 10 ft. 75c.

**SALIX BABYLONICA (Weeping Willow).** The well-known willow with its hanging branches and large spreading top. 6 to 8 ft. 75c.

**ULMUS PUMILA (Chinese Elm).** Fast growing and stands extremes of heat, cold, drought and alkali. Very popular. 6 to 8 ft. 60c.

**The above shade trees are available during the spring months in bare root. After April 1st they can be supplied in containers at 25c additional per tree.**

**CEDRUS DEODARA.** Rapid growing Cedar, used for lawn or parkways. Towering pyramidal form. 50c.

**CUPRESSUS ARIZONICA (Arizona Cypress).** Bluish green, narrow pyramidal form. Good for hot, dry sections. 35c.

**CUPRESSUS MACROCARPA (Monterey Cypress).** Widely planted for hedge, shade trees, and windbreaks. 35c.

**CUPRESSUS SEMPERVIRENS (Italian Cypress).** Tall, slender, and erect. Used for gateway, arches, tall borders, etc. 5 to 6 ft. $1.50, gallon 35c.

Italian Cypress

**JUNIPERUS CHINESIS PFITZERIANA (Pfitzer's Juniper).** Bushy, wide-spread, horizontal branches. Forms immense flat irregular head of bluish green foliage. 35c.

**JUNIPERUS SABINA TAMARISCIFOLIA.** Creeping type juniper seldom more than one foot high but reaching a spread of 6 to 8 feet. 35c.

**LIBOCEDRUS DECURRENS (Incense Cedar).** Tall, narrow, pyramidal tree with deep, green lustrous foliage. 50c.

**PINUS CANARIENSIS (Canary Island Pine).** Fast growing with extremely long needles in large tufts. New growth silvery white. 50c.

**PINUS COULTERI (Pitch Pine).** A good specimen pine of compact form with dark green foliage. 50c.

**PINUS HALAPENSIS (Aleppo Pine).** Rapid growing, excellent for hillsides and for quick effect. 50c.

**PINUS INSIGNIS (Monterey Pine).** Native California. Bright green foliage and bushy habit. Fastest growing pine. 50c.

**SEQUOIA SEMPERVIRENS (Coast Redwood).** The well-known California Redwood, excellent for street, parkway, garden. 50c.

**THUYA BEVERLYENSIS (Golden Column Arbor-vitae).** Narrow column of golden green foliage, excellent for specimens. Sizes 3 to 4 ft. $1.50.

**THUYA ORIENTALIS AUREA NANA (Berckman's Golden Arbor-vitae).** Dwarf habit, compact and symmetrical, almost globular. Bright golden tint. Balled plants 12 to 18 inches $1.00.

**THUYA ORIENTALIS PYRAMIDALIS (Chinese Arbor-vitae).** Tall growing evergreens, dense foliage, bright green at all times. Balled plants 2 to 3 ft. $1.50.

# DECIDUOUS FLOWERING SHRUBS

**AMYGDALUS ROSEA NANA (Dwarf Pink Flowering Almond).** One thinks of little pink buttons on a string when seeing this in flower, so closely placed on the stem are the individual flowers. Makes a shrub about four feet high. 1½-2 ft. $1.00.

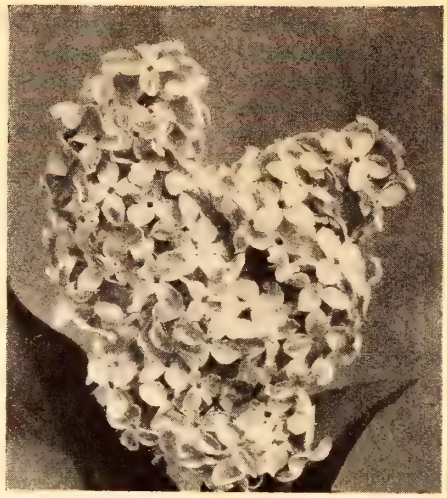
**CYDONIA JAPONICA (Flowering Quince).** A very showy group of plants flowering in the early spring and carrying a good glossy foliage the rest of the season. Blood red, 2 ft. $1.25. Corillina Salmon red, 1½ ft. $1.50.

**HIBISCUS SYRIACUS (Althea).** Another old fashioned shrub much in demand. 1 gallon 35c.

**KERRIA JAPONICA (Japanese Rose).** Semi-deciduous shrub bearing small double rose-like yellow flowers. Should be planted in partial shade. 1 gallon 40c.

**LAGERSTROEMEA INDICA (Crepe Myrtle).** Tall growing shrub bearing an abundance of pink crepe-like flowers in spring and summer. 5-gallon size $1.00, gallon can size 35c.

**LIPPIA CITRIODORA (Lemon Verbena).** Fast-growing with delightfully fragrant foliage. Flowers white, in spikes. 35c.



Lilac

**PUNICA (Flowering Pomegranate).** Double red. Fast growing with large double-red flowers borne in great profusion and scarlet in color. Very showy. Gallon size 35c, 5-gallon size $1.00.

**SPIREA ANTHONY WATERER (Red Bridal Wreath).** Dwarf growing with dense panicles of rosy crimson flowers. Gallon 35c.

**SPIREA VAN HOUTTEI (Bridal Wreath).** The well-known and ever-popular Eastern shrub. Pure white flowers. Gallon containers 35c.

**TAMARIX HISPIDA** Cypress-like foliage. Small pink flowers completely covering plant. Gallon 35c.

**VIBURNUM CARLESII.** One of the most fragrant of flowers. Coral pink in the bud and white when open with a delicate fragrance unequalled by any plant in the deciduous group. $1.00 each.

**VIBURNUM OPULUS STERILIS (Eastern Snowball).** Large ball shaped clusters of white flowers. Gallon size 35c.

**WEIGELIA EVA RATHKE.** Brilliant crimson flowers in clusters. Gallon size 35c.

**WEIGELIA ROSEA.** Large clusters of rose-pink flowers, trumpet shaped, making a very effective display. Gallon size 35c; 3 to 4 ft. $1.00.

# DECORATIVE HOUSE AND PATIO PLANTS

**ASPARAGUS PLUMOSUS NANA (Asparagus Fern).** Its delicate fronds of dark green are equal to the finest fern. Of great value for mixing in bouquets and easily grown. 3 in. pots 15c; $1.50 dozen.

**ASPARAGUS SPRENGERI.** One of the best known hanging basket or pot asparagus ferns. Will stand either sun or shade. 3 in. pots 15c; $1.50 dozen.

**BILBERGIA NUTANS.** An excellent pot plant with its slender pine-apple-like leaves and pale green flowers tipped blue and surrounded with rosy bracts. 4 in. pots 50c.

**CLIVIA MINATA.** A very showy flower belonging to the lily family. Its clusters of orange flowers of from eight to twenty are quite unusual in color. Does well in pots or in the garden. $1.50 to $5.00.

**COLEUS.** We have made a specialty of Coleus for some time. Our collection carries quite a range of varieties. 3 in. pots 15c; $1.50 per dozen.

**CYRTOMIUM FALCATUM (Holly Fern).** A marvelous fern for either outside or inside. Its holly-like foliage makes it extremely useful. 3 in. pots 25c; 4 in. pots 50c.

**NEPHROLEPIS EXALTATA BOSTONENSIS (Boston Fern).** A general favorite too well known to warrant a description. 5 in. pots 75c; 6 in. pots $1.00.

**NEPHROLEPIS WHITMANI (Double Feather Boston Fern).** An improved variety of much merit. Very feathery in appearance. 5 in. pots 75c; 6 in. pots $1.25.

**MONSTERA DELICIOSA.** Of the bread fruit family. Particularly interesting because of the natural holes in the unusually large serrated leaves. $1.50 to $3.00 each.

**PHILODENDRON CORDATUM.** A small leaved Philodendron that thrives equally well in pots or in water. One of the most ornamental of house plants offered. 25c.

**PHOENIX ROEBELINI.** A very dainty type of palm that makes a very satisfactory pot specimen. 5 in. pots $1.50.

**POTHOS AUREUS.** A variegated foliage plant that sends out cord-like stems that cling to damp walls or may be trained on a spagnum stake. Very striking plant when well grown. 25c.

**PTERIS TREMULA.** A large quick growing fern suitable for either pot or outdoor growing. 6 in. pots 75c.

**POINSETTIA HENRIETTA ECKE**
**(Double Poinsettia)**

One of the marvels of the plant world. Huge double poinsettia flowers borne in profusion. May be grown as a house plant or out of doors where it may grow eight to ten feet tall. 40c.

**REX BEGONIA.** A begonia that ranks very high as a house plant because of its interesting large foliage carrying a combination of very pleasing color contrasts. 35c.

**SANSEVIERIA LAURENTI.** An excellent house plant. The thick leathery leaves stand heat and dust very well. This variegated form margined with gold is very attractive. 4 in. pots 75c; 5 in. pots $1.25.

# DECIDUOUS FLOWERING TREES

**PRUNUS MUME (Flowering Apricot).** Earlier than the flowering Peach with flowers fully double, of rose pink. 4-5 ft. $1.00.

Prunus Persica

**CRATAEGUS OXYCANTHA SPLENDENS (Paul's Double Scarlet Thorn.)** One of the most popular of all the Hawthornes. Flowers double and red followed by red berries. 6-8 ft. $1.25.

**PRUNUS PISSARDI (Purple Leaved Plum).** Flowers white tinted pink. Quite a contrast with the purple leaves in early spring. 4-5 ft. $1.00.

**PRUNUS PERSICA (Flowering Peach).** The flowering peach has enjoyed more popularity than any of the flowering deciduous trees. No doubt deservedly. We offer the following selected varieties.

**Burbank**—Large double pink flowers. Late.

**Camelliaflore**—Double carmine red. Late.

**Double White**—Large flowered.

**Peppermint Stick**—Variegated red and white.

**San Jose Pink**—Double pink. Early.

**All varieties 4-5 ft. $1.00**

**PYRUS (Flowering Crab Apple).** The flowering crab is one of the showiest of our spring flowering trees. We list the following three varieties.

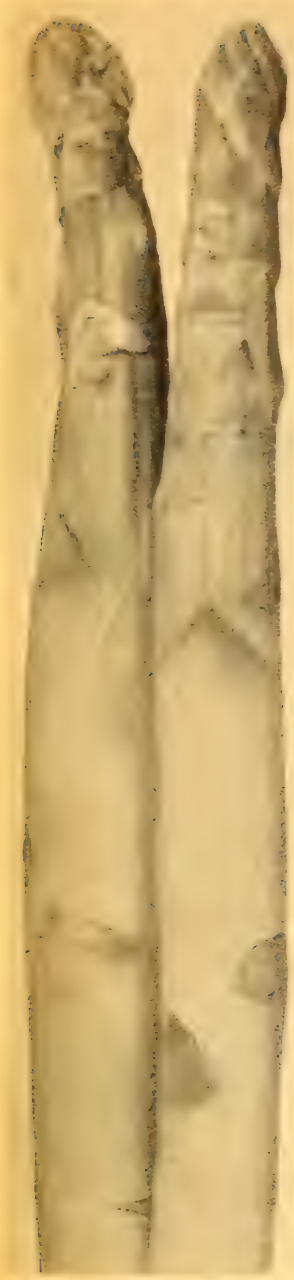
**Aldenhamensis (new)**—Leaves purple, flowers maroon. 3-4 ft. 85c.

**Ionensis Bechtelii**—(Bechtel's Double Flowering Crab). Small trees completely covered with large double delicate pink flowers. 3-4 ft. 75c.

**Floribunda**—Bright pink buds, white flowers. 3-4 ft. 75c.

**PRUNUS BLIRIEANA (Flowering Plum).** A lovely soft pink double variety borne on long slender branches. Foliage heavily tinged with orange. 4-5 ft. $1.00.

Pyrus Floribunda



Paradise Asparagus

# The New Paradise Asparagus

We are offering for the first time this wonderful new variety which we are sure is far superior to any sort now on the market. Not alone is it superior in poundage marketable but also in quality of grass produced. It is hard to believe that any asparagus could produce as much as 5 ton per acre a season yet this yield has been carefully checked and this also from beds that are not over a few years old. Compare this yield with 1 ton per acre from Mary Washington from which Paradise is a sport. The check was made on adjacent plots under the same conditions. The crop is as early as Mary Washington and is just as resistant to rust. Paradise will bring you a better price per pound as well as a large increase in yield.

**Due to the limited supply of roots available this season we advise you to order early.**

**Prices: 50c per doz.; $3.00 per hundred; 500 for $12.00.**

# The New Boysen Berry

The photograph shows comparative sizes of ripe berries.

Boysen Berry | Loganberry | Large Raspberry | Youngberry

The above photograph shows the startling size of the Boysen berry as compared with other varieties. The berries other than the Boysen were selected for size while the Boysen berry is just average. The Boysen berry is a very strong grower, closely resembling the Youngberry in growing habits and in fruit except that the berries are very much larger than Youngberries and are more highly flavored. Fruit spurs are produced at each leaf joint on the canes, and each spur has from five to nine huge berries stuck right out away from the vines ready to be picked.

The fruit when ripe is very dark red and looks very much like immense Youngberries. The berries average in size more than an inch and one-half long and nearly an inch through and it is not unusual at all to find berries nearly two inches long and more than an inch through. Many of the berries are so large that you will eat them at two bites.

The crop starts ripening about ten days later than Youngberries (average seasons about June first) and lasts about two months. During the 1934 season the fruit sold for about 30% higher prices than other berries ripe at the same time. The original planting of Boysen berries, from which our stock was propagated, produced an average of 22 baskets per plant during the 1934 season while Youngberries in the same field made 12 baskets per plant and twelve baskets per plant is a very good crop for any kind of a berry.

Be sure to plant some Boysen berries. They will make you the biggest crops of the finest berries you have ever seen, and they will produce a good crop the following year after the plants are set out. It is the finest berry yet developed for canning, jellies, jams, and for pies, and when picked ripe from your own vines it makes a dessert you will never forget.

Set plants six feet apart and grow them on a trellis or fence. One thousand plants per acre

**Prices: 35c each; 3 for $1.00; 10 for $2.50; 100 for $20.00.**

**See back cover pages for colored photograph.**

## ARTICHOKES

Plant a few Green Globe Artichokes in your garden and you will provide the table with an appetizing and delicious vegetable. See page 106.

Artichoke Green Globe

# The New Kosmo Blackberry

An Introduction of Great Merit

We have observed this berry for several years and it has appealed to us as being one of the finest eating berries that we know of, much surpassing the Youngberry both in size and sweetness. It ripens quite early and may be picked over a period of about one month, beginning early in June. Then it also has a crop almost as large in August. The berries somewhat resemble the old Mammoth or Cory Thornless, but whereas the Cory Thornless did not bear very well, the Kosmo never fails to bear a large crop. The berries are very large, jet black, extremely sweet and juicy, and the core is almost non-existent while the seeds are so few and soft as to be unnoticeable. The vines are extremely strong in growth and need considerable room in which to grow.

**Prices: 25c each; 10 for $2.00; $15.00 per 100.**

Kosmo Blackberry

# GERMAIN'S

## APPLES

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**DELICIOUS.** It is large, uniform in size, long and tapering. Skin is yellow with a crimson cheek on the sunny side. Flesh is white, fine-grained, juicy, crisp, melting, sweet and slightly acid. November.

**GRAVENSTEIN.** A popular market, shipping and culinary variety. Skin greenish yellow, striped with red shadings; flesh yellow, crisp, juicy and tender; texture good. August.

**JONATHAN.** Medium size, roundish and oval; skin bright red, on the sunny side quite dark to almost black; flesh a delicate cream with a faint suggestion of red; flavor excellent. October.

**RED JUNE.** Fruit roundish and uniform, having a tender, smooth, glossy skin of pale yellow or greenish overspread with a deep red. Flesh is white, tender, juicy and of a rich sub-acid flavor. July.

**BELLFLOWER.** Very large; oblong; skin smooth, pale lemon yellow; flesh tender, juicy, crisp, with a slightly sub-acid flavor; one of the very best. October.

**TRANSCENDENT CRABAPPLE.** A beautiful variety of the Siberian Crab; large, red and yellow; tree a remarkably strong grower.

**WHITE WINTER PEARMAIN.** Fruit medium to large, oblong; skin pale yellow with a brilliant blush on sufiny side; flesh yellow, fine-grained, juicy and tender. A good keeper. November.

## APRICOTS

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**MOORPARK.** One of the largest, most popular and widely disseminated apricots; deep orange or brownish red; flesh quite firm, bright orange; juicy, with a rich flavor. August.

**NEWCASTLE.** Medium size, round, well-shaped; a shade smaller than the Royal and two or three weeks earlier. July.

**ROYAL.** A standard variety; skin dull yellow, with an orange cheek; flesh pale orange, firm and juicy, with a rich vinous flavor. July.

**TILTON.** Large oval, slightly compressed; flesh firm, yellow, and parts readily from the stone; heavy and regular bearer. July.

## CHERRIES

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**BING.** A valuable market and shipping cherry. Fruit of large size, firm, heart-shaped and regular; skin smooth, glossy, deep maroon verging to black in color; flesh sweet. June.

**BLACK TARTARIAN.** Bright purplish black; flesh purplish; thick, juicy, very rich and delicious; tree a remarkably vigorous, erect and beautiful grower. June.

**RICHMOND (Pie Cherry).** Red; acid; valuable for cooking; productive. July.

**ROYAL ANN.** A magnificent cherry of the largest size; pale yellow, becoming amber in the shade, with a bright red cheek; flesh firm, juicy and sweet. Free grower and enormous bearer. July.

## PEACHES

Prices:
(Ex. Babcock and Smith)
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

### Freestone

**ALEXANDER.** Medium to large; greenish white, nearly covered with a deep, rich red; flesh white, very juicy and sweet with brisk, agreeable flavor. Very early. July.

**AUSTRALIAN SAUCER.** Obtains its name from its peculiar flattened shape; small, skin white with red cheek; flesh white, very sweet and delicious. One of the few satisfactory peaches for the hot interior. June.

**BABCOCK.** See color page.

**C. O. SMITH.** See color page.

**EARLY CRAWFORD.** A magnificent, large, yellow peach of good quality. Its size, beauty and productiveness make it one of the most popular varieties both for home use and commercial planting. July.

**EARLY IMPERIAL.** For a number of years this variety has been the leading yellow freestone for commercial and home use. Fruit medium size with small pit; skin yellow, shaded with crimson; flesh yellow, rich and firm. Late June to July.

**ELBERTA.** Very large; skin golden yellow where exposed to the sun; flesh yellow, juicy, rich, sweet and splendidly flavored; tree very prolific. It is a perfect freestone and one of the most successful market varieties. August.

**J. H. HALE.** Smooth skin, almost fuzzless. Very firm. Ships almost like an apple. Yellow freestone; flesh tender, excellent quality. Larger than the Elberta and ripening about the same period. August.

**LATE CRAWFORD.** A quality market, shipping and drying peach. Fruit round-oval, compressed, with unequal halves. Skin deep yellow with a red cheek. Flesh deep yellow, of good substance and separates freely from the pit. Early August.

**LOVELL.** Fine for canning, drying or shipping. Fruit nearly round and regular in size and shape; skin clear yellow with a marbled blush; flesh yellow, firm and of fine flavor. August.

**MAYFLOWER.** It is absolutely red all over, with white flesh of excellent flavor. As large as Alexander and ripens three weeks earlier. June.

**MILLER'S LATE.** A very satisfactory late variety of large size and fine flavor. Flesh is firm, juicy, and yellow in color. Probably the latest to bear. October.

**SALWAY.** Fruit large; skin of greenish-yellow with crimson cheek. Flesh clear yellow; tender, rich, sweet and of good quality. September.

### Clingstone

**PALORA CLING.** Large yellow cling, with faint blush; of fine texture; firm and rich; one of the best varieties for canning. August.

**SIMS.** A late mid-summer cling very popular with growers on account of its large size and productiveness. Fruit very large; nearly round; golden yellow, with faint blush. Flesh deep yellow to the pit; of fine texture. Fruit ripens from inside, and should be carefully handled. Late August.

**STRAWBERRY CLING.** Large, yellow, striped with red; flesh white, red around pit; heavy and uniform bearer. September.

**TUSCAN CLING.** Large, yellow, heavy bearer and one of our best Clings; fine shipper. In great demand by canners on account of its early ripening. July.

**THE GARDENER.** (By L. H. Bailey.) Beginning with A and running through to Z, this book lists and tells how to plant and care for all the common flowers, vegetables, and fruits from the time they are planted through to maturity. Entries are cross-referenced and the book is unusually easy to use. $2.00.

On these and the following pages you will find a complete list of the various fruit trees, vines, and berry plants that we have to offer for this season. After the description of each variety we have noted the month of ripening. Please write us for special prices in large quantities.

On receipt of shipment unpack it immediately, and if not planted at once place the roots of the trees in a trench, cover them with soil, and water thoroughly, so as to settle the dirt well about the roots.

## FIGS

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**KADOTA.** Medium sized; thin, white skin; pulp white to pink. One of the best for canning, preserving and pickling. August.

**MISSION (California Black).** The well-known local variety; fruit large, dark purple, almost black when fully ripe; makes a good dried fig; tree grows to large size and bears immense crops. Mid-summer.

**WHITE ADRIATIC.** Very large, elongated, yellowish-green fruit with a short neck; flesh bright red, somewhat coarse but of excellent quality. A strong-growing prolific tree.

**BROWN TURKEY.** Often called Black Spanish or Black San Pedro. Large fruit of excellent quality. Long, purple color turning deeper as it matures with rich strawberry red meat. Very sweet and juicy.

## NECTARINES

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**BOSTON.** Large, bright yellow with red cheek; flesh yellow, sweet and pleasant flavor; freestone. The leading yellow fleshed nectarine. August.

**GOWER.** We strongly recommend it for home and commercial planting. Fruit very firm, freestone, and almost completely splashed with crimson. Ships like a clingstone peach. Very early; delicious flavor. July.

**STANWICK.** Very large, almost globular, often as large as a peach; skin pale, greenish-white, shaded into deep rich violet in the sun; flesh white, tender, juicy and delicious. August and September.

## QUINCES

Prices:
4-6 foot size,
60c each; 10 for $5.00.
3-4 foot size,
50c each; 10 for $4.00.

**APPLE OR ORANGE.** Large; roundish, with short neck; beautiful bright golden yellow; an old favorite. September.

**SMYRNA.** Extremely large; elongated; lemon yellow; cooks tender and has a fine flavor; long keeper; tree strong grower with heavy foliage; very prolific. October.

# FRUIT TREES

It is of greatest importance to dig holes deeper and larger than is necessary to admit all the roots in their natural position, keeping the surface and subsoil separate. Any injured roots should be cut off with a sharp knife. Fill the hole with the surface soil, so that the tree, after the earth has settled, will stand about as deep as it did in the nursery, a line which can usually be noted by a difference in color. Settle the soil well around the roots by filling the hole with water. Never let manure come in contact with the roots, but it can be used as a top dressing.

## PLUMS

Prices:
(Except Mariposa)
4-6 foot size,
60c each; 10 for $5.00
3-4 foot size,
50c each; 10 for $4.00

**BURBANK.** Large; rich cherry red; slightly mottled with yellow; flesh deep yellow, juicy, very sweet when fully ripe; bears early and is extremely productive. August.

**DAMSON.** Perhaps more widely planted and better known on the markets than any other plum. Excellent for preserves, jellies, pies, etc. Fruit small, roundish; skin purple, with a thick blue bloom; flesh melting juicy, sub-acid. September.

**KELSEY'S JAPAN.** Very large; greenish yellow, covered with red on the sunny side; flesh very solid and firm when ripe; juicy, and with a rich vinous flavor. August.

**MARIPOSA.** (See color page.)

**SANTA ROSA.** Regarded as one of the best Japanese types of plums. Very large; deep purplish crimson color, with pale blue bloom. Flesh yellow, streaked and shaded crimson. June.

**SATSUMA.** Fruit large, nearly round; dark red, flesh dark red; solid color from skin to pit; firm, rather juicy, fair flavor; pit very small. Extremely productive. August.

**WICKSON.** Very large; yellow, overlaid with glowing carmine with a white heavy bloom; flesh firm, sugary, delicious; pit small. Remarkable for long keeping. August.

**APEX PLUMCOT.** This fruit, as indicated by its name, is a very satisfactory combination of the Apricot and the Plum. Large, round, yellow, rich and aromatic. June.

### PRUNES

**FRENCH IMPROVED (Petite D'Agen).** Identical with the French prune, but with fruit running to larger sizes, and the trees being of a more willowy habit. August.

**IMPERIAL.** The tree is a very heavy bearer of extra large fruits. Dried, the fruit averages forty to fifty to the pound. August.

**TRAGEDY.** Large, dark purple, yellowish green meat rich and sweet. A fine table prune. July.

## PERSIMMONS

Prices:
4-6 foot size,
85c each; 10 for $7.50.
3-4 foot size,
70c each; 10 for $6.00.

**FUYU.** A new variety that promises to become a leading commercial sort. Fruit is never astringent. Medium size fruit of deep red color.

**HACHIYA.** Fruit very large, oblong, conical pointed toward the apex; skin bright red with occasional dark spots or blotches, flesh deep yellow, soft and jelly-like when ripe.

## PEARS

Prices:
4-6 foot size,
60c each; 10 for $5.00
3-4 foot size,
50c each; 10 for $4.00.

**BARTLETT.** Large; smooth; clear yellow; flesh white, juicy, buttery and highly perfumed. The most popular sort in this State; the best early variety and has no competitor for market or canning. August.

**SECKEL.** Rather small; regularly formed; yellow with russet red cheek; flesh cream color; flavor rich, spicy, unique and characteristic. Excels all other sorts in quality. October.

**WINTER NELIS.** Probably the finest winter variety so far produced. Fruit medium and of a roundish formation; skin yellowish, flesh cream colored, and full of rich, sweet juice. December.

## POMEGRANATES

Prices:
3-4 foot size,
50c each; 10 for $4.00.
2-3 foot size,
35c each; 10 for $2.50.

**WONDERFUL.** The largest and most attractive variety. Valuable for shipping. Pulp rich garnet with an abundance of juice, dark as port wine; exquisite flavor.

## NUT TREES

PRICES:
Almonds, 4-6 ft., 60c ea.
Almonds, 3-4 ft., 50c ea.
Pecans, 4-6 ft., $1.25 ea.
Walnuts, 4-6 ft., 90c ea.
Walnuts, 6-8 ft., $1.25 ea.

### ALMONDS

**NE PLUS ULTRA.** A sturdy and rather upright grower; extremely prolific; producing its nuts in bunches.

**NON PAREIL.** Of a weeping style of growth, but still forms a beautiful tree; an extraordinary heavy and regular bearer, with very thin shell.

**TEXAS PROLIFIC.** Nut medium size; shells perfect and well filled. A very heavy and regular bearer. It is of great value in pollenizing.

### PECANS

**BURKETT.** A valuable variety for California and Arizona. Exceptionally heavy producer. Large, almost round nut, thin-shelled, the whole meat coming out readily. The Success variety should be planted with Burkett as a pollenizer.

**SUCCESS.** The most widely planted variety in California. A large and oblong shaped nut with a medium thick shell. Meat of fine quality. Self-pollenizing.

**HALBERT.** Thin-shelled, well-filled nuts almost round in shape with a kernel of excellent flavor. Produces heavily and bears when quite young. Medium size. Self-pollenizing.

### WALNUTS

**EUREKA.** Large oblong, soft shell, tightly sealed. Tree vigorous grower, blight resisting, good producer, blooms late.

**PLACENTIA.** A favorite in Southern California. Nuts large, soft shell, white meat of excellent quality.

**PAYNE.** A very popular variety because of the extremely early and heavy crop borne by young trees. Of excellent quality.

**FRANQUETTE.** Late blooming and hardy with dense foliage and large, elongated, smooth nuts. Popular in Central and Northern California.

## CITRUS

Prices:
(Unless otherwise noted)
5/8-3/4 inch caliper,
$1.25 each; 10 for $10.00.

### ORANGES

**NAVEL.** The world wide famous California orange. Fruit large and seedless. Flesh juicy, sweet and highly flavored. Ripens November.

**VALENCIA.** Sharing the popularity of the Navel, and often bringing the highest prices. Ripens after the Navel. Fruit medium size, few seeds, tender, sweet and delicious. May to October.

### LEMON

**EUREKA.** This is the most commonly grown and leading variety. Almost thornless. Fruit of good even size and splendid quality. Practically seedless.

### GRAPEFRUIT

**MARSH'S SEEDLESS.** Extra large, nearly seedless. It has a very fine flavor. Best of all grapefruits. Strong grower and heavy bearer.

### TANGERINE

**DANCY.** Very popular Mandarin variety. Skin orange red, meat juicy and sweet, few seeds. Vigorous and prolific.

### LIMES

**MEXICAN.** The strongly acid green fruits of small size, used in the soda fountains, are of this old standard variety. A semi-dwarf tree, ripening fruits all through the year. $1.75 each.

**SWEET.** While the fruits of this variety have the characteristic lime flavor, the juice is so sweet that it may be taken without sugar. Large and juicy.

## AVOCADOS

Prices:
(Unless otherwise noted)
4-6 foot size,
$1.75 each;
10 for $15.00.

**FUERTE.** Skin smooth, of greenish color; flavor excellent with a high percentage of oil. One of the standard winter ripening varieties.

**PUEBLA.** Medium size, roundish-oval; skin smooth, glossy purple, medium thick; flesh very rich; bears young and heavily. Ripens in winter months. $2.00 each.

# SUB-TROPICAL FRUITS

### LOQUATS

**LOQUAT.** Used extensively for its fruit and also as an ornamental evergreen. One of the earliest fruits in the spring and makes a fine jelly. Gallon cans 35c; 5-gallon size $1.25.

### GUAVAS

Used both as ornamental plants, for fresh fruit, and for jelly making.

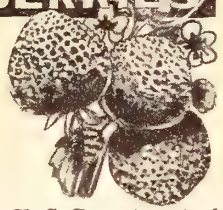
**STRAWBERRY GUAVA** Glossy leaves and strawberry - like fruit. 35c.

**YELLOW STRAWBERRY GUAVA.** Foliage similar to the strawberry guava with fruit about the same size, yellowish green in color. 35c.

**FEIJOA SELLOWIANA (Pineapple Guava).** Tall shrubs with glossy green leaves and bluish-white flowers. Fruit egg size, combining the flavors of pineapple, raspberry and banana. Excellent eaten fresh or for preserves, jellies, salads, etc. 35c.

# BERRIES - - GRAPES - - VEGETABLES

## STRAWBERRIES



Prices:
50c for 25;
1.50 per 100.
(Write for prices in larger quantities.)

**BLAKEMORE.** A new strawberry introduced by the U. S. Department of Agriculture. A bright red color which it keeps after picking and preserving. Firm berries of large size.

**CAROLINA.** A berry that has met with instant favor. A vigorous grower, with strong foliage, producing heavily, berries of large size and fine flavor.

**KLONDYKE.** A very popular berry. A vigorous grower, berries of medium size and good flavor. Recommended for shipping purposes.

**MASTODON.** Mammoth sized berries, round in shape, medium dark red in color. An early producer and bearing as late as Thanksgiving; the last picking being as large as the first.

**PROGRESSIVE.** A variety that will bear over a longer period than any other. The fruit is of fine flavor.

## RASPBERRIES

Prices:
3 for 40c;
$1.50 per dozen;
$7.50 per 100.
(Write for prices in larger quantities.)

**CALIFORNIA SURPRISE.** This is the earliest, the finest flavored, and one of the most productive raspberries for Southern California. The crop starts ripening May first and lasts until June 15th.

**BLACK CAP.** Fruit medium size; color glossy black, flavor piquant and agreeable.

**CUTHBERT.** An old favorite; large and handsome; bears transportation well, very productive.

**ST. REGIS EVERBEARING.** An early variety, ripens throughout the season. Berries large and of best quality, strong grower.

BOYSEN BERRY
(See color page and page 103)

## ASPARAGUS

Prices:
50c for 25; $1.50 per 100.

**ARGENTEUIL.** Exceedingly popular. Stalks large and tender. Color white.

**PALMETTO.** Shoots are light green, tinted pink, and are very tender.

**PARADISE.** See page 103.

**WASHINGTON.** A variety that has come to the front, grows very large and is very rust-resistant.

### HORSERADISH

**HORSERADISH.** The meaty roots are much in demand for sauces and pickles. Grows best where it can be supplied with abundant moisture all through the growing season. 2 for 25c; $1.25 dozen.

## BLACKBERRIES

Prices:
except Kosmo
3 for 40c;
$1.50 per dozen:
$7.50 por 100.
(Write for prices in larger quantities.)

**CORY'S MAMMOTH THORNLESS.** Can be kept in bush form by pruning. Ripens early, flavor delicious, sweet, flesh firm, melting and juicy, few seeds. June and July.

**HIMALAYA.** Wonderfully vigorous grower; fruit fairly good size, almost round, juicy and with small seeds. Bears summer and late fall.

**KOSMO.** (See Page 103.)

**MAMMOTH.** Strong grower and heavy bearer. Berries large, highly flavored and very sweet. Ripens early and fruits over a long period.

### DEWBERRIES

**GARDENA DEWBERRY.** The very earliest berry that we have, ripening two weeks before any other kind. Large, glossy black fruit of fine flavor, borne abundantly. 3 for 40c; $1.50 dozen.

### CURRANTS

**PERFECTION.** Good quality; bright red; flavor rich, mild and sub-acid; exceedingly productive. 25c each; $2.50 doz.

### GOOSEBERRIES

**OREGON CHAMPION.** Medium large, round, fine quality, productive and free from mildew. 25c each; $2.50 doz.

### LOGANBERRIES

Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. The vines are rampant growers. 3 for 40c; $1.50 dozen.

**THORNLESS LOGANBERRY.** (See color page.)

### YOUNGBERRIES

Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored very productive berry. Bears early and commands high market prices. The fruit colors well and is exceptionally sweet and large. Color jet black. 3 for 40c; $1.50 dozen.

## RHUBARB

**GIANT CHERRY.** Stalks of large size and excellent flavor. One of the prime favorites in Rhubarb. Large divisions. 25c each, $2.50 dozen.

**PANAMA.** A variety that grows all the year round. Yields twice as much as other rhubarb and requires half the amount of sugar. It is comparatively free from acid and requires no peeling. 25c each, $2.50 dozen.

**WAGNER'S GIANT.** A standard variety that is well known. Grows very rapidly and is hardy in any climate. Stalks are large and have a very fine flavor. 15c each, $1.50 dozen.

## GRAPES

Prices:
Foreign Varieties,
3 for 50c; $1.75 dozen.
$9.00 per 100.
American Varieties,
25c each; $2.50 dozen.
$12.00 per 100.

### Foreign Varieties

**BLACK MONUKKA.** Berries seedless medium size, elongated; clusters large; skin thin, nearly black; flesh yellow, sweet and juicy. Early.

**BLACK PRINCE (Rose of Peru).** Bunches very large; berries large, oval; skin thick, brownish black; flesh tender, juicy, rich and sprightly; a fine market variety. Medium.

**CORNICHON.** Berries very large, oblong; dark blue, almost black, covered with a beautiful bloom; skin rather thick; a good shipping grape. Late.

**EMPEROR.** Clusters large; berries large oval, rose-colored; one of the most valuable grapes for shipping long distances. Does not ripen well near the coast. Late.

**FLAME TOKAY.** Bunches very large; berries large; skin thick, pale red, or flame colored; flesh firm, sweet; a splendid shipping grape. Medium.

**MALAGA.** Vine a strong grower and immensely productive; bunches very large, loose shouldered; berry very large, oval, yellowish green; skin thick, fleshy. Early.

**MISSION.** The well-known variety cultivated at the missions by the Spanish Padres; strong sturdy grower, bearing large black berries; valuable for wine. Medium.

**MUSCAT.** Bunches are large, long and loose; berries large, slightly oval, pale amber when ripe; flesh firm, brittle, exceedingly sweet and rich; fine flavored. Medium.

**OLIVETTE BLANCHE.** The grape is large, fully two inches long, never too close; berries long, olive-shaped, greenish amber, slightly brown on side exposed to the sun, firm with a neutral flavor. Late.

**RED MALAGA.** Color deep red with blue bloom. Unusually delicious flavor; excellent shipping and keeping qualities. Medium.

**RIBIER (Gros Guilliaume).** Berries extra large on medium sized bunches. Color intense blue-black. The most beautiful grape grown. Its flavor and bearing qualities are in keeping with its appearance. Medium.

**THOMPSON SEEDLESS.** The best known seedless grape, widely planted for raisins and market and a fine home fruit as well. Very large bunches of rather small, greenish - yellow berries, sweet and mild. Early.

**ZINFANDEL.** Bunches large, compact; berries round, dark purple, covered with a heavy bloom; succeeds well in most any climate. Medium.

### American Varieties

**CONCORD.** Undoubtedly the most widely known and popular of all American grapes. Black in color, with a bluish bloom, borne profusely in medium sized bunches. The Concord does well in California, except in the regions of extremely hot summers, and its rich flavor is just the same when grown here as in the East. August.

**NIAGARA.** The standard American green grape, holding the same rank among green kinds that Concord holds in the blacks. Berries large, pale yellow, tender, sweet and juicy. August.

### ARTICHOKE PLANTS

**GREEN GLOBE.** Artichokes are a delicious vegetable. They are easily grown in back yards, along fences, and in the vegetable garden, requiring very little care and attention after planting. The Green Globe Artichoke grows to a height of three to five feet with numerous branches and the roots should be set about five feet apart. Strong field divisions. 25c each, $2.50 dozen.

## VEGETABLE PLANTS

We have available also an assortment of the more common vegetable plants such as Tomato, Pepper, and Egg Plant. If our customer wishes these shipped they are sold only in full flats of 100 plants and are not sold in smaller quantities except at our nursery or at our Los Angeles store when called for. This is due to the fact that when these plants are taken out of the soil and shipped they rarely arrive in good condition.

**TOMATO.** Earliana, New Stone, and Beefsteak varieties. $1.50 per flat of 100 plants.

**PEPPER.** California Wonder, Chinese Giant, and Anaheim Chili. $2.00 per flat of 100 plants.

**EGG PLANT.** New York Improved. $2.00 per flat of 100 plants.

The above are sold only in full flats and can be shipped only via express.

# GERMAIN'S POULTRY ACCESSORIES

## Beuoy Caponizing Set

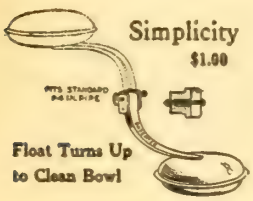
By caponizing them you will stop getting rid of your surplus roosters for a low price. Make a nice profit—use Beuoy caponizing set. Price each, $4.00, with bow, $5.00. Caponizing Bow, $1.10, postpaid.

## Hawes Automatic Water Valve

A combined automatic valve and individual shut-off. The automatic valve, complete in a screw cage is as easily removed for cleaning or replacement as a tire valve. The needle valve may be adjusted to reduce the water pressure or used as a shut-off, to avoid disturbing the rest of the line.

Adjusted to drip, fowls need never be without water should automatic become obstructed. Made entirely of copper and brass, nothing to rust or wear out. Price $1.35 each, postpaid.

## Simplicity Water Valve




The name is from the remark invariably made when the valve is first seen, "How Simple" and in use it is as satisfactory as it is simple. It is very popular with large ranches, using one shut-off for a whole line of valves.

Several large poultry ranches are each using over 100 of these valves with entire satisfaction. Once installed, your expense is over as valve will give years of satisfactory service.

## Books

| | Each |
|---|---|
| Artificial Incubating and Brooding | $ .50 |
| A to Z of Pigeons | 1.00 |
| Ducks and Geese | 1.40 |
| Pheasant Culture | .35 |
| Rabbit Culture | 1.00 |
| Western Poultry Book | .35 |

Postpaid

## Hawes Rapid Egg Grader

Two complete scales in one handy unit with nothing to shift; gives the utmost rapidity in grading. Grades pewee from pullet, and pullet from standard eggs, accurately in any position.

Price $1.00 postpaid.

## Group-Over

for

Colds in Poultry

It cleans the air passages and gives prompt relief. 55c postpaid.

## Bandettes

This new and most popular leg band for [illegible] Chickens, Pigeons or Turkeys. Made of celluloid and has double numbers. Colors: white, pink, yellow, red and blue.

FOR PIGEONS

| | 25 Bands | 50 Bands |
|---|---|---|
| No. 5 | $ .40 | $ .70 |
| No. 6 | .50 | .70 |
| No. 6 B N. | .50 | .90 |

FOR POULTRY

| | 25 Bands | 50 Bands |
|---|---|---|
| No. 9 | $ .65 | $1.00 |
| No. 11 | .65 | 1.10 |
| No. 12 | .65 | 1.10 |

## Economy Double Numbered Pigeon Bands

These bands are made from the highest grade of clear colored celluloid with large black figures on a white background, protected by a thick transparent color of clear celluloid. It will stand the wear and tear of long continued use. Furnished in the colors: pink, black, green, blue, yellow, red and white.

Price—Postpaid

| | |
|---|---|
| 50 Bands ( 25 pr.) | $ .65 |
| 100 Bands ( 50 pr.) | 1.25 |
| 200 Bands (100 pr.) | 2.50 |

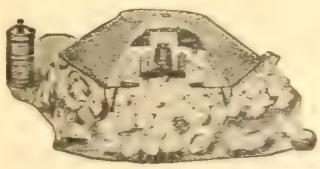
## Spiralets

The poultryman's standard leg band used universally by all poultrymen to identify age, etc., of the birds, using one color for birds hatched in January, another color for those hatched in February, etc. They are furnished in the following colors: white, dark blue, green, yellow, black, ruby, light blue, red and pink.

The number of band shows the size in 1/16 of an inch.

| | Per 100 |
|---|---|
| No. 4—Chick size | $ .35 |
| No. 5—Pigeon size | .40 |
| No. 6—Growing Chick size | .40 |
| No. 7—Bantam size | .50 |
| No. 9—Leghorn size | .60 |
| No. 11—American size | .65 |
| No. 12—Asiatic size | .75 |
| No. 14—Turkey size | 1.00 |
| No. 16—Turkey size | 1.10 |

## Sol-Hot Brooder Oil Burning



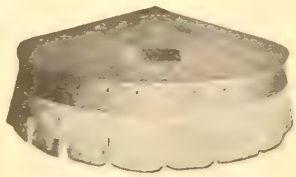
Brooder complete.

Standard Sol-Hot Brooder with 34 in. canopy, capacity 250 to 300 chicks, shipping weight 39 lbs., 2 gal. oil capacity, $10.00.

Standard Sol-Hot Brooder with 54 in. canopy, capacity 1000 chicks, shipping weight 61 lbs., 2 gal. oil capacity, $10.50.

Standard Sol-Hot Brooder with 64 in. canopy and Giant Burner, capacity 1200 chicks. Shipping weight 66 lbs., $12.50.

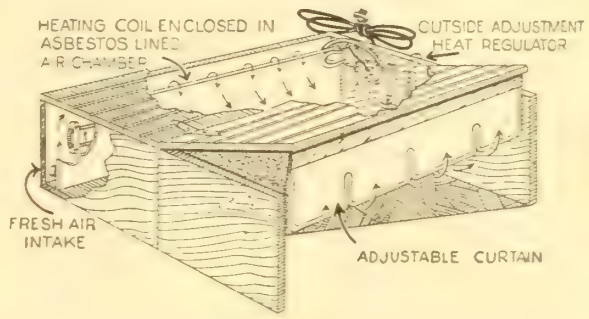
## Electric Brooder



### "The Nearest-to-Nature Way"

Everything about these brooders is the latest most improved type. Low temperature heating units designed for practically unlimited service. No worries as to burn outs or heat failure.

| | |
|---|---|
| 100 chick capacity | $18.00 |
| 200 chick capacity | 24.00 |
| 350 chick capacity | 28.50 |
| 500 chick capacity | 32.50 |




## Lyon Home Brooder

### Electrically Heated and Controlled

This is an attractive and efficient brooder, designed to brood small lots around the home and in battery brooders.

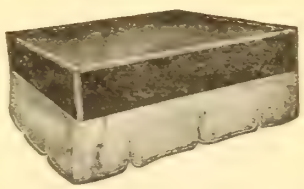
Brooder construction is of redwood and asbestos. Has double thickness of curtains. Can be operated with great economy. Just the brooder you have been looking for.

Furnished for 110 or 220 volts. Size 18x28 inches. Battery use capacity: 125 chicks. Full brooding capacity: 70 birds.

Price, No. 2 Special Home Brooder, 220 watts, weight 12 lbs., $8.00 f. o. b. Los Angeles.

Be sure to specify voltage in ordering.

## No. 125—Special Brooder Electric



This special model electric brooder, as shown, is the best value ever put into a brooder. It uses the same regulating and heating system as standard brooders. It is 30 inches square, allowing more than seven (7) square inches each for 125 chicks. It is fire-proof, durable, and is the lowest priced, heated brooder of any kind or make. Notice the low [illegible] cannot afford to bother with [illegible] one of these brooders.

Price, $12.75 ea[illegible]

## Don Sung

Special Tonic to make hens lay 50c and $1.00 pkgs.

## Electric Incubators

No. 125 Special Graves Electric 135 eggs

Graves Electric Incubators have always proved wonderful hatchers. Graves equipment is complete and eliminates all guesswork.

| Size | Price |
|---|---|
| Mod. No. 125—Special 135 eggs | $19.75 |
| Mod. No. 250—Special 270 eggs | 30.00 |
| Mod. No. 125—Stand. 135 eggs | 32.50 |
| Mod. No. 250—Stand. 270 eggs | 45.00 |
| Mod. No. 500—Stand. 540 eggs | 67.50 |

# GERMAIN'S GARDEN HARDWARE

## No. 30 Hedge Shears

Made by Disston of the best quality steel. Prices: 6½" $1.60; 8" $2.60; 9" $2.90; 10" $3.25; postage extra.

## Disston Pruning Saws No. 114

A pole saw, patent ground and has a cast steel blade. Price $2.35, postpaid. Pole not furnished.

## No. 53 Pruning Saw

12" blade, price $1.25; 14" blade, $1.40; and Crescent folding handle, $1.50, all postpaid.

## No. 900-V Pruning Shears

An all-steel shear with the blades and handle all of one piece. Blades are three inches long with the length over all nine inches. Excellent for trimming rose bushes and other plants, for cutting flowers, etc. 90c—$1.00 postpaid

## No. 2082-V Pruning Shears

An attractive garden pruning shear, 8 inches long, fully polished blade and black handle. Price 95c each, postpaid.

## No. 2062-V Pruning Shears

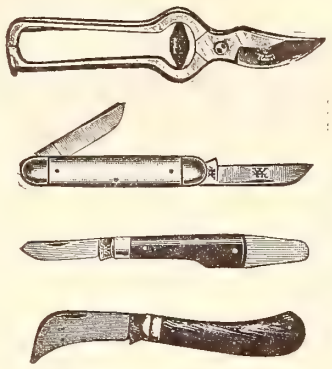
This little shear is a duplicate of the larger California pattern, has malleable handles, hardened and tempered blades. Price 60c each, postpaid.

## No. 09 Grass Shears
## No. 90 Grass Shears

The new improved type of grass shears, hardened, tempered blades and locking latch. No. 90 is highly finished and handles japanned. No. 09 has semi-finished, jap handles and shank. Price, No. 90, $1.10; No. 09, 90c postpaid.

No. S8—Same as above without patented handle latch, 50c postpaid.

## Henckle Tools



The world's famous line of pruning shears and knives. All Henckle cutlery bears the trade mark "The Twins." The tools are made of the very best material, tempered and hardened by the most experienced workmen and are guaranteed to be free from any imperfection. Professional gardeners all over the world use Henckle tools.

| | |
|---|---|
| No. 190—7½" Shear | $3.25 |
| No. 200—8½" Shear | 3.50 |
| No. 210—9½" Shear | 3.75 |
| No. 727-W—Combination Budding and Grafting Knife | 2.00 |
| No. 755-B—Budding Knife | 2.00 |
| No. 3-C—Pruning Knife | 1.60 |

Prices postpaid.

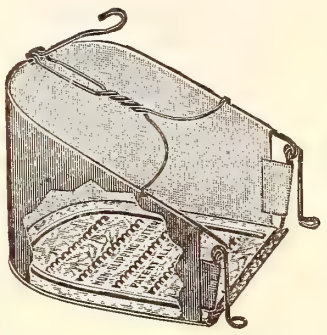
## Pruning Shear—Utility No. 5 Long Handle Pruning Shear

No. 5—A pruning shear that should be in every garden. Adapted to all garden pruning and particularly useful for the heavier branches on shrubs, vines and trees. The blade is 3½ inches and the length over all 18 inches, the steel handle going entirely through the wooden grip. Made by Disston.

$2.75—postpaid $2.90

No. 65—A lighter constructed shear that can be used for practically all the same purposes as the above No. 5. Cutting edge of blade 3 inches, with length over all of 20 inches. Will work quite satisfactorily except on heavy branches.

85c each—postpaid 95c



## E.Z. Empty Grass Catcher

The E. Z. Empty Grass Catcher has a galvanized sheet steel bottom, round back, heavy duck sides. The canvas sides are firmly fastened to the bottom by three folds of sheet steel. This protects against any possibility of the canvas ever ripping along the bottom edge.

No. 5-G for 12" to 18" Mowers..... $1.10
No. 6-G for 18" to 21" Mowers..... 1.35

Express collect.

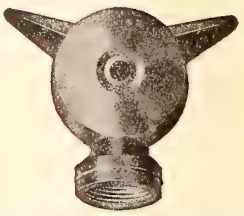
## Ross Fan Sprinkler No. 10

Throws a large amount of water in a gentle fan-shaped spray, without force, descending like rain. It does not wash the soil into furrows, consequently is desirable for sprinkling new lawns and flower beds. Made entirely of brass. Price 75c, postpaid.

## Ross Improved Sprinkler No. 20

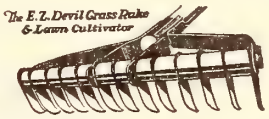
Will expel more water and distribute it more equally, regardless of pressure, than any other sprinkler. Luther Burbank has said "The Ross sprinkler is, in my opinion, the best hand sprinkler so far produced. Price 75c, postpaid.

## No. 75 Fountain Sprinkler



Delivers a fine spray over a large area. It operates satisfactorily with either high or low pressure. It throws a fountain jet to the center. Price 45c each, postpaid.

## Devil Grass Rake




Removes Bermuda, Johnson and other coarse grasses from lawns. It is advisable to use the cultivator frequently during the summer months to prevent Devil Grass from rooting and matting, which excludes light and air from the soil and chokes out the blue grass and clover. Prices, express extra:

| | |
|---|---|
| 10 tooth E. Z. Rake | $1.25 |
| 14 tooth E. Z. Rake | 1.75 |

## No. 70 Twin Sprinkler

A standard sprinkler which covers a large area with a fine spray and is operated with either high or low water pressure. Price 40c, postpaid.

## EEZY Wear Garden Gloves

EEZY WEAR Gloves are specially designed for both men and women for household, garden, basement, furnace, garage and

GENERAL HOME USE

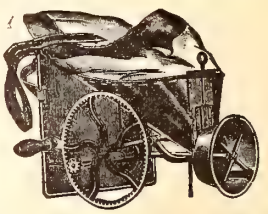
They provide an easy way to protect the hands against dirt, scuffing, scratching, and stains, preserve the manicure and keep the hands well groomed—always in "party condition."

ALL-LEATHER—DIRT PROOF
SOFT AS KID AND EASY TO WEAR

Made of select imported leather specially processed to render them SOFT, PLIABLE, WASHABLE, and EXTRA-DURABLE.

Order in same size as the regular glove used. 75c each, postpaid.

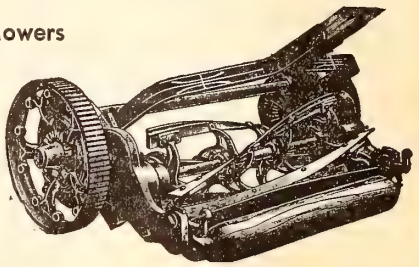
## The Genuine "Cahoon"



Broadcast seed sower is dependable and durable. It is a compact, easily operated machine and guaranteed to give satisfaction in every way if used according to instructions.

The seed bag is made of heavy duck securely fastened to the hopper and holds about 22 quarts. The Cahoon sower is used for seeding Alfalfa, Alsike, Barley, Blue Grass, Buckwheat, Corn, Clover, Cow Peas, Wheat and other seeds in similar bulk and nature. Weighs 8 lbs. Price $5.50 each, postage extra.

## Pennsylvania Jr. Lawn Mowers



The perfection of lawn mower construction. They are operated by a chain of gears on both sides of the machine. The cylinder contains five tempered crucible steel blades. The lower knife also crucible steel is the raised edge pattern, and is positively self-sharpening. It is fitted with the patented STAYTITE Handle with adjustable steel clamps to take up any possible shrinkage.

The 14", 16" and 18" machines have an 8" drive wheel, and the 15", 17", 19" and 21" machines have a 10" drive wheel.

| | Wt., Lbs. | Price |
|---|---|---|
| Penn. Jr. 14" Mower | 44 | $18.50 |
| Penn. Jr. 16" Mower | 46 | 20.50 |
| Penn. Jr. 18" Mower | 48 | 22.50 |
| Penn. Jr. 15" Mower | 47 | 22.00 |
| Penn. Jr. 17" Mower | 49 | 24.00 |
| Penn. Jr. 19" Mower | 51 | 27.00 |
| Penn. Jr. 21" Mower | 53 | 30.00 |

Sent express collect.

# GERMAIN'S SPRAY PUMPS and DUSTERS

## QUEEN INCUBATORS

Regardless of how many or how few chicks you intend to hatch there's a Queen Incubator that will make your work easy and your results more profitable.
Queen Incubators are built right to hatch big healthy chicks. Extensive research and years of experience have perfected every detail of Queen design and construction.

STYLE "K" QUEEN
No. 20—70 egg capacity $9.50

STANDARD QUEEN
No. 3—180 egg capac.....$17.50
No. 4—275 egg capac..... 21.50
No. 5—400 egg capac..... 24.50

F. O. B. Los Angeles

## 612—PATROL DUSTER

An effective pattern for truck gardens, field crops, etc. The two 12-inch extensions and reversible angle nozzle permit the operator to reach all parts of the plant easily. Angle nozzle insures effective application to under surfaces. Positive force feed construction absolutely prevents clogging. Price $1.35 each.

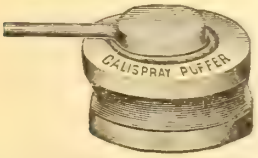
## 427G—CRITIC SPRAYER CONTINUOUS

The No. 427G CRITIC CONTINUOUS Sprayer meets the demand for a continuous sprayer with detachable container. Very efficient in the application of household insecticides and disinfectants, as well as preparations for the dairy barn, hog pen, poultry house, etc. Especially adapted for use with preparations which destroy ordinary metal containers. Price $1.30 each.

## MISTY SPRAYER

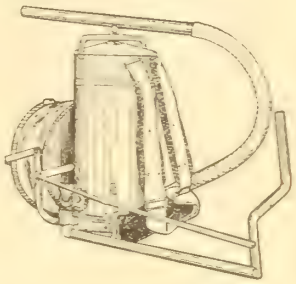
The MISTY is a universal favorite for use about the house, yard, backyard garden, poultry house, etc. Note its sturdy appearance and construction, which combines strength, simplicity and neatness. Price 50c each.

## CALISPRAY PUFFER




Most powerful dust puffer built.
Made of metal with heavy bellows.
Will last for a long time.
Ideal for applying Flea, Fly, Moth, or Insect Powders. Easy to fill. Holds two ounces. Throws cloud four to six feet. Weighs ½ pound ready to mail. Price only 35 cents.

## AMERICAN BEAUTY DUSTER



The world's finest one-man duster.
The only force feed duster built.
Feed is instantly adjustable.

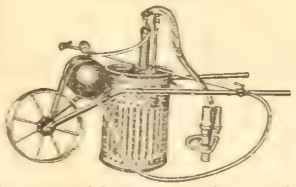
Built of the best materials. Gears and rocker arms of steel. Bearings of brass.
All parts interchangeable and can be shipped by parcel post.

Equipped with hose, two lengths of tubing for tall trees and spoon for ground work. Weight 17½ pounds, ready to ship. Price $20.00 each, F.O.B. Los Angeles.

## CADET DUSTER

The CADET is adapted for use with all insect powders. Because of its size and efficiency it is a favorite with the housewife in applying roach, ant, and various bug powders. Price 50c.

## IDEAL SPRAYER NO. 35S

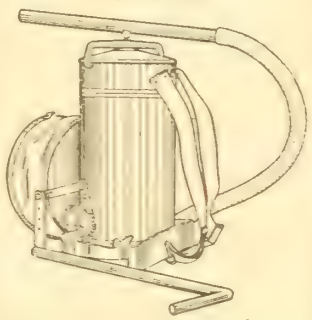


This new model represents the very latest ideas in design, construction, capacity, strength, and efficiency in wheel-barrow sprayers. The new larger diameter tank, corrugated for strength and appearance, with all danger of tipping eliminated; the special tubular non-clogging intake strainer and dasher agitator; the boiler iron air pressure chamber with its sturdy anchoring; the husky tubular steel frame with sturdy channel iron cross braces; the big wheel for easy portability; are all important to its efficient performance.
For whitewash or other liquids with sediment, disconnect short hose from pump head to gauge and attach long hose directly to pump head.

Specifications

**Pump.** Our regular No. 4SA Barrel Pump. Fastened in top of tank by arched steel support and is easily removed. Fitted with non-clogging tubular brass strainer and special dasher agitator which cleans it thoroughly at each stroke of pump plunger.
**Tank.** Heavy galvanized or copper sheets, reinforced at top and bottom with channel iron hoops. Fitted with malleable castings for attaching to frame. Easily removed. Capacity 18 gallons.
**Air Pressure Tank.** Boiler iron with joints welded. Tested under pressure of 275 lbs. Fastened to frame by steel straps and supports. Fitted with a pressure gauge reading to 200 pounds.
**Frame.** Heavy steel tubing reinforced with channel iron cross braces.
**Wheel.** 18 inches diameter, 2½ inch tire; light, strong and rigid. Provides easy traction under heavy loads and in soft soil.
**Discharge Equipment.** 6 feet of ⅜ inch spray hose and a 4 foot ¼ inch iron pipe extension—total 10 feet, angle Ideal nozzle and a leakless shut-off.
**Shipping Weight.** Securely crated, 107 pounds.
**No. 35S. Ideal.** Galvanized Tank $36.50 each.

## CALIFORNIA BEAUTY DUSTER



Just the thing for small truck farm acreages.
Holds twelve pounds dust. Throws cloud twelve feet. Weighs 9½ pounds. Feed instantly adjustable.
Equipped with hose, tubing and spoon to reach the under side of leaves on the ground without stooping.
Price $14.00 each, F.O.B. Los Angeles. Weight, 12½ pounds, ready to ship.

## GROBARK

Here is an item that is unexcelled as a pruning, grafting and budding compound that will actually grow new bark over wounds on a tree or shrub. Tubes 20c; pts. 30c; qts. 50c; gal. $1.50; 5 gal. $6.00—postage or express extra.

## Deming Bucket Pumps No. 669 and 689

These are two of the best known and strongest bucket pumps made. Easy working, powerful pumps, which with reasonable care will last a lifetime. Suitable for spraying small trees, flower and vegetable gardens; for applying whitewash and disinfectant; cattle fly oil, stock dip, etc. All parts are brass except the malleable handle and steel foot rest. These pumps have double air chamber consisting of cast brass air chamber, and seamless brass, hollow plunger tube, which gives unusually steady discharge pressure.
Number 669 is equipped with 3 feet of high-pressure hose, Acme nozzle which throws a fine spray. $5.50 each, postpaid.
Number 689 has four feet of hose and Bordeaux nozzle, which is the best general purpose spray nozzle ever produced. It throws a solid stream, coarse, long distance spray or a fine mist. It is an excellent nozzle also for whitewashing. Bucket not furnished. $9 each, postpaid.

**Perfection 110G**

For work of any kind requiring high pressure. It is very practical in the garden, orchard, poultry house, in the home for removing wall paper, etc. 4 gal. capacity, 12" extension rod on 2 ft. ⅜" hose, automatic nozzle.
No. 110-G—4 gal. Galvanized Tank, each ..... $7.50
No. 140-G—2½ gal. Galvanized Tank, each ..... 5.25
No. 140-B—2½ gal. Brass Tank, each ..... 7.75

## No. 120G—2½ Gallon Galvanized

**120G Thrifty**

The HUDSON THRIFTY Sprayer is intended for the small home owner or "Suburbanite" whose work does not justify the investment in one of the larger capacity outfits, or the labor in handling it. Handles all solutions very effectively. Price $4.25 each.

# GERMAIN'S

**ANTROL ANT AND ROACH POWDER.** An improved fast killing powder, used for quick temporary relief from Ants, Roaches, etc. It is very effective for killing **Silverfish.** Price 2 oz. can 15c.

**ANTROL SYSTEM.** Kills the ants in the nest, the Antrol glass containers are easy to use and keeps the syrup at its highest efficiency. Antrol Syrup is a mild poison that is greedily eaten by the Argentine Ants. Prices: Antrol set of 4 with 4 oz. bottle of Syrup—75c. Ready-filled Antrol set of 4—40c.

**BLACK LEAF 40 (or Nicotine Sulphate).** The most popular Insecticide for Sucking insects, such as aphis. Use 1 to 2 teaspoonfuls to 1 gal. of water. Add Nursery Volck or Fish Oil Soap with the mixture for better coverage. Black Leaf 40 is an effective control for Lice on Poultry. Paint the perches after cleaning. Prices: 1 oz. bottle 35c; 5 oz. $1.00; 2 lbs. $3.25.

**CALISPRAY DUST NO. 10.** A 10% nicotine sulphate dust. Dusts are very effective for many crops that are low growing and have dense foliage, as it clouds into places that cannot be reached with a liquid spray. Prices: 1 lb. 55c; 10 lbs. $3.00; 100 lbs. $15.50.

**CALISPRAY GARDEN DUST NO. 82.** An all around garden dusting material for use against chewing and sucking insects such as Caterpillars, Aphis, etc. It is already to use and consists of 7½% nicotine sulphate, 20% Arsenate of Lead, 20% dehydrated Copper Sulphate, and 52½% releasing carrier. 4 oz. package 25c; 1 lb. 60c. A small duster, the Calispray Puffer, is very handy to spray the above. 35c each.

**CERESAN.** Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley loose and covered smuts of barley and oats and covered kernel smut of sorghum. Ceresan does not injure the seed nor the grain drill. Only 2 ounces of Ceresan required per bushel of wheat, rye or sorghum, and 3 ounces for barley and oats. Easy to apply, economical. Prices: 1 lb. tin 75c; 5 lb. tin $3.00; 25 lb. pail $12.50.

**CORONA BORDEAUX MIXTURE (Fungi Bordo).** For blight, rust and fungus diseases. For general use—2 ozs. to 1 gal. water, 6 lbs. to 50 gals. water. Per lb. 35c; 4 lbs. 80c.

**CORONA DRY ARSENATE OF LEAD.** The best known and most extensively used stomach poison for chewing or leaf-eating insects, Caterpillars, etc. It is safe to use on most plants. Generally, used one tablespoonful to one gallon of water, or one pound to 50 gallons of water. Can also be used as dust—1 lb. to 5 lbs. of Hydrated Lime. 1 lb. 35c. Commercial Growers, 4 lb. package 65c. Per case of 48 lbs. 15c per lb.

**CARBOLINEUM, AVENARIOUS.** Poultry houses, dog kennels, fence posts, etc. Prices: 1 qt. 65c; 1 gal. $2.00; 5 gal. $9.00.

**CYANOGAS (Calcium Cyanide).** When exposed to the air, gives off a gas that is deadly to most rodent and insect pests. It is extensively used on Ants, Gophers, Wireworms, and many other insects and rodents. Write for pamphlet, stating pest you are troubled with. Prices—Dust or granular—1 lb. 75c; 5 lbs. $2.50.

**DERRISOL.** A concentrated non-poisonous liquid containing 5% Derris extract and other chemicals combined in such a way as to make an efficient contact insecticide. Derrisol is effective against aphis, thrips, red spider, etc. Use 1 to 2 teaspoonfuls to 1 gal. of water. Price, 1 oz. 35c; 8 ozs. $1.25.

**DESTRUXOL.** A contact and fumigating spray for Aphis, Thrips, Mealy Bug, etc., does not injure flowers or foliage. One ounce makes 3 to 5 gallons of spray. Prices: 1 oz. 40c; 1 qt. $3.75.

**DRY LIME SULPHUR.** A powdered form of Lime Sulphur. Use ½ to 2 level teaspoonfuls to 1 gal. of water; 1 lb. to 5 gals. of water. A dormant spray for Peaches, Apples, etc. Use 1 lb. to 12 gals. of water. Prices: 1 lb. 35c; 5 lbs. $1.40.

**EUREKA WEED CONTROLLER.** A sand-like material you simply spread on your lawn. It destroys lawn weeds such as dandelions. It does not harm the grass. Used 50 lbs. to 1500 sq. ft. of lawn. Prices: 5 lbs. 80c; 10 lbs. $1.50, postpaid; 50 lbs. $5.00.

**EVERGREEN.** A Pyrethrum spray, non-poisonous, used very successfully for aphis, cucumber beetle, squash bugs, etc. Use 1 to 2 teaspoonfuls to 1 gal. of water. Price: 1 oz. 35c; 6 ozs. $1.00.

**ORTHO GARDEN WEED KILLER.** A powerful Arsenical weed killer similar to that used by the railroads. Also used to make poisoned baits for Grasshoppers and Cutworms. 1 qt. 65c; 1 gal. $1.75; 5 gals. $5.00.

**ORTHO GARDEN WHALE OIL SOAP.** A liquid whale oil soap. Soluble in hard or soft, hot or cold water. Effective as a spray for Aphis and as a spreader for other sprays. 1 pt. 35c; 1 qt. 50c; 1 gal. $1.50; 5 gals. $5.00.

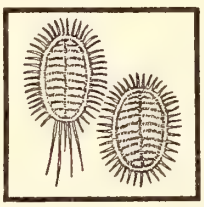
**FLIT.** Destroys flies, mosquitoes, moths, bedbugs, roaches, etc. Close doors and windows and spray freely. 1 pt. 60c; 1 qt. $1.00.

**GOPHER FIRECRACKERS.** Very effective against Gophers and Ground Squirrels. Light the fuse and put down in the hole. It throws off a poisonous gas. Each 5c; per doz. 50c.

**Aphis** (Aphids or Plant Lice). Less than ⅛" long. The most common of these is the green aphis on roses.

**Beetle.** The twelve spotted kind (Diabrotica) is often found on rose buds, dahlias, etc.

**Scale.** Scale insects injure plants by sucking the sap. Ants carry them, destroy ants also.



**Mealy Bug.** Waxy scale, usually covered with a white waxy meal. Control ants also.

**Rust.** Covers stems and leaves with tiny pustules having the appearance of red or brown rust.

**Cutworms.** Destroy young plants by chewing the stem at or just below the surface of the ground.

There are a number of insects and diseases that trouble flowers, vegetables and trees, and to grow them successfully they must be protected from these pests.

| Crop | Pest | Use Material No. |
|---|---|---|
| Almond | Aphis<br>Red Spider | 3-9-10-13-22-35<br>9-22-34 |
| Apple | Aphis<br>Codlin Moth<br>San Jose Scale | 3-9-22-35<br>7<br>11-20 |
| Apricot | Brown Rot<br>Brown Scale (gumming)<br>Gummosis | 6<br>11-20<br>6 |
| Aster | Aphis<br>Red Spider | 3-4-35<br>9-22-34 |
| Avocado | Red Spider<br>Thrips | 9-34<br>3-9-35 |
| Beans | Aphis<br>Wireworms | 3-4A<br>8 |
| Bougainvillea | Mealy Bug<br>Scale | 19-22-23-34-35<br>19-22-23 |
| Boxwood | Mealy Bug<br>Scale<br>Sow Bug | 19-35<br>19<br>31 |
| Cabbage | Aphis<br>Cabbage Worm | 3-9-4A<br>4-7-34 |
| Calla Lily | Mealy Bug<br>Red Spider<br>Thrips | 19-34<br>9-34<br>9-10 |
| Cantaloupe | Aphis<br>Mildew | 4A<br>29 |
| Carnation | Aphis<br>Mealy Bug<br>Red Spider | 3-9-4-13<br>19-22-34<br>9-23-34 |
| Cedar | Caterpillars<br>Scale | 4-7-9<br>19-22-23 |
| Chrysanthemums | Aphis<br>Mealy Bug<br>Red Spider<br>Thrips | 3-9-13-22-35<br>19-34<br>9-22-34<br>9-10 |
| Corn—Field | Diplodia<br>Gibberella<br>Stalk Rot | 29<br>29<br>29 |
| Corn—Sweet | Ear Worm<br>Wireworms | 7-29<br>8-34 |
| Cucumber | Aphis<br>Mildew<br>Beetle | 4-4A<br>16-32<br>4-7-34 |
| Dahlia | Red Spider<br>Thrips | 9-22-34<br>9-10 |
| Evergreens | Aphis<br>Mealy Bug<br>Red Spider<br>Scale | 3-4-9-13<br>19-22-34<br>9-23-34<br>19-23 |
| Ferns | Aphis<br>Scale | 19-9<br>19 |
| Fig Trees | Red Spider | 9-22-34 |
| Genista | Caterpillars | 7-9-13 |
| Gladiolus | Aphis<br>Hard Rot | 3-9<br>27 |
| Grapes | Leaf Hopper<br>Mildew | 3-4A-8<br>32 |
| Household Pests | Ants<br>Flies<br>Mosquitos<br>Roaches | 1-2-8<br>15<br>15<br>1-15 |
| Ivy | Ants<br>Aphis<br>Scale | 2<br>3-4-9-10<br>19-22-23 |
| Juniper | Scale | 19-23 |

## Spray Materials

1. Antrol Ant and Roach Powder
2. Antrol System
3. Black Leaf 40
4. Calispray Garden Dust No. 82
4-A Calispray Dust No. 10
5. Carbolineum, Avenarious
5-A Ceresan
6. Corona Bordeaux Mixture
7. Corona Dry Arsenate of Lead
8. Cyanogas
9. Derrisol
10. Destruxol
11. Dry Lime Sulphur
12. Eureka Weed Controller
13. Evergreen
14. Fish Oil Soap
15. Flit
16. Fungtrogen

**All items can be sent by parcel post or express at purchaser's expense.**

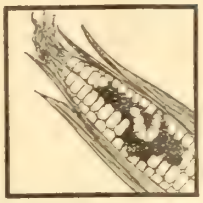
# SPRAY CHART

This chart will help you to identify the majority of harmful insects usually found in gardens and to determine the best method of control and of eradication.

| Crop | Pest | Use Material No. |
|---|---|---|
| Lawns | Angleworms | 24 |
| | Cutworms | 24 |
| | Snails | 30 |
| Lemon | Mealy Bug | 22-23-34-35 |
| | Red Spider | 9-22-23-34 |
| | Scale | 22-23 |
| Oats | Smut | 5A |
| Oranges | Mealy Bug | 22-23-34-35 |
| | Red Spider | 9-22-23-34 |
| | Scale | 22-23 |
| Palm | Mealy Bug | 19-34 |
| | Scale | 19 |
| Peach | Black Aphis | 3-9 |
| | Curly Leaf | 11-20 |
| | Red Spider | 9-22-23-34 |
| Pear | Aphis | 3-9-13 |
| | Codling Moth | 17 |
| | Pear Tree Slug | 17 |
| | San Jose Scale | 11-20 |
| Peas | Aphis | 3-4A |
| Pepper | Aphis | 3-4A |
| | Thrips | 4A-34 |
| Petunias | Caterpillars | 7-9-13 |
| | Mealy Bug | 9-34-35 |
| | Thrips | 19-34-35 |
| Plum | Aphis | 3-9 |
| | San Jose Scale | 11-20 |
| Potatoes | Scab | 28 |
| | Rhizoctonia | 28 |
| | Black Rot | 28 |
| Poultry | Lice | 3-22 |
| | Mites | 5 |
| Prune | Aphis | 3-9 |
| | Scale | 11-20 |
| Pumpkin | Aphis | 4A |
| | Squash Bug | 4-13 |
| | Thrips | 4A-10-34 |
| Raspberry | Red Spider | 9-22-23-34 |
| | Scale | 20-22-23 |
| Rose | Aphis | 3-9-10-13-22-35 |
| | Black Spot | 16 |
| | Mealy Bug | 19-22-23-34-35 |
| | Mildew | 16 |
| | Scale | 22-23 |
| | Thrips | 9-10-34-35 |
| Snapdragon | Rust | 16 |
| Squash | Aphis | 4A |
| | Squash Bug | 4-13 |
| Strawberry | Aphis | 3-9-4 |
| | Red Spider | 9-34 |
| | Thrips | 9-10-34 |
| Sweet Peas | Aphis | 3-9-10-4A |
| | Mildew | 16 |
| Tomato | Blight | 6-16 |
| | Cutworm | 30 |
| | Tomato Worm | 4-7 |
| Tulip | Aphis | 3-9 |
| | Thrips | 9-34 |
| Walnut | Aphis | 3-4A |
| Wheat | Stinking Smut | 5A |
| Miscel. Pests and Rodents | Ants—Sweet Eating | 1-2 |
| | Ants—Red | 1-8 |
| | Cutworms | 30 |
| | Gophers | 8-17-18 |
| | Grass Hoppers | 30 |
| | Ground Squirrels | 11-25 |
| | Moles | |

## indicated by number above

17. Gopher Firecrackers
18. Gopherscent
19. Lemon Oil
20. Lime Sulphur Solution
22. Nicona
22-A Nu-Green
23. Nursery Volck
24. Pawai
25. Poisoned Barley
26. Pulvex
27. Semesan
28. Semesan Bel
29. Semesan Jr.
30. Snarol
31. Sow Bug Control
32. Sulphur
33. Tree Tanglefoot
34. Red Arrow
35. Ortho Garden Volck
36. Ortho Weed Killer



**Corn Ear Worm.** The most troublesome pest of sweet corn. Treat new silk as it appears.

**Mildew.** A fungus disease affecting roses, etc., in moist, shady places; cloudy weather, etc.

**Thrips.** Tiny almost invisible insects. Very injurious to flowers and young growth.

**Codling Moth.** The well-known apple worm—treat from bud stage until apple is formed.

**Red Spider.** Tiny mites, mere specks of red or yellow, usually on the under side of leaf.

**Wireworm.** Hard smooth worms; slender and brownish yellow. Attack roots and root crops.

**FUNGTROGEN.** A highly concentrated form of the famous Rosenbluth formula, used with phenomenal success in the nationally known rose garden at Wallingford, Pa. It is an effective and scientific preventive for mildew, black spot and certain other fungus diseases of roses. Use 1 tablespoonful to 1 qt. of water, 2 oz. to 1 gal. of water. ¼ pt. 45c; 1 pt. $1.25; 1 qt. $2.00; 1 gal. $6.00.

**GOPHERSCENT.** Poisoned raisins and grain. A particularly effective poisoned food for gophers, 8 oz. package 35c; 12 oz. package 50c.

**LEMON OIL.** Used by prominent florists against Scale, Mealy Bug, Rust, Aphis, Caterpillars, etc., on Palms, Rose Bushes, Ferns, etc. We recommend it for ferns and house plants, as it leaves no disagreeable odor and is not dangerous to use. Use 1 tablespoonful to 1 pt. of water, ½ pt. to 4 qts. of water. ½ pt. 45c; 1 pt. 70c; 1 qt. $1.20, and 1 gal. $3.25.

**LIME SULPHUR SOLUTION.** A reliable dormant spray for most deciduous trees. Convenient to use, requires no preparation other than stirring into water. Very effective for San Jose Scale. For peach leaf curl, spray just as the buds begin to burst. 1 pt. to 5 qts. of water, 1 gal. to 10 gals. of water. 1 pt. 25c; 1 qt. 40c; 1 gal. $1.00. Cannot be mailed.

**NICONA.** A nicotine and oil spray, effective against aphis, thrips, red spider, scale, mealy bug and mildew. Generally use 2½ tablespoonfuls to 1 gal. water. Prices: ½ pt. 45c; 1 pt. 60c; 1 qt. 90c; 1 gal. $2.35.

**NU-GREEN.** Famous golf clubs use Nu-Green to keep their costly greens in perfect condition. It disinfects the soil which protects grasses against destructive **Brown Patch.** Nu-Green also brings to your lawn stimulating nutriment which produces early vigorous growth and insures hardy, full development. Used 1 lb. to 50 gallons of water. Prices: 3 ozs. 50c; 1 lb. $1.75; 5 lbs. $8.00.

**ORTHO GARDEN VOLCK.** The complete contact spray (containing Volck, Nicotine and spreader) for control of all sucking insects including Aphis, Mealy Bug, Scale, White Fly, Red Spider. Also effective against Mildew and Rush. 3½ oz. bottle 35c; pt. $1.00; qt. $1.50; gal. $3.00.

**ORTHO NURSERY VOLCK.** One of the most powerful insecticides known. Effective on practically all insects on ornamental and flowering plants—Red Spider, Aphis, Scale, Mealy Bug, etc. Volck is odorless, colorless and non-poisonous. Generally used 3 level tablespoonfuls to 1 gal. of water. 1 pt. 50c; 1 qt. 75c.

**PAWAI.** A fine powder that controls Angleworms, etc., in the lawn and garden. Usually mixed with water and poured on the infected area. 5 lbs. will treat 1000 sq. ft. Prices: 1 lb. 30c; 5 lbs. $1.10, postpaid. 25 lbs. $3.75 each.

**ORTHO GARDEN POISONED BARLEY.** Used extensively for poisoning Ground Squirrels. 1 lb. 35c; 5 lbs. $1.25.

**PULVEX.** The non-poisonous Flea Powder for dogs, cats, and canaries. Actually kills all the fleas. Still is harmless to your children and pets. Simply dust the powder well and rub in thoroughly. Used regularly by the largest fox breeding farms. Price: ¾ oz. for canaries, 25c; 2 oz. for dogs and cats, 50c; 12 oz. size $1.25.

**SEMESAN BEL.** This is the new instantaneous dip treatment for both white and sweet potatoes that is fast replacing all formerly practiced methods for seed potato disinfection. Equally useful for roots and tubers of other vegetables and flowers. Ask for Semesan Bel booklet. Prices: 4 oz. 50c; 1 lb. $1.75; 5 lbs. $8.00.

**SEMESAN JR.** This material is easily applied to sweet and field seed corn by the dusting method and disinfects thoroughly against diseases such as the ear, stalk, and root rots, increasing germination and final crop yield by 20 to over 40 per cent. Write for Semesan Jr. booklet. Prices: 4 oz. 50c; 1 lb. $1.50; 5 lbs. $7.00.

**SEMESAN.** The only chemical to be applied in either liquid or dust form to prevent or control most parasitic diseases and fungoid growths of seeds, bulbs, and seed pieces, including "Damping-Off," "Brown Patch," and "Crown Gall." Equally effective for seeds or plants. Ask for Vegetable, Flower and Nursery booklets. Prices: 2 oz. 50c; 1 lb. $2.50; 5 lb. $11.75.

**SNAROL.** A prepared meal to broadcast on the ground for the control of snails, cut-worms, etc. Will not deteriorate from rain and is non-injurious to vegetation. 1½ lbs. 25c; 4 lbs. 60c; 15 lbs. $1.95; 50 lbs. $5.50.

**SULPHUR.** Anchor Brand Sulphur is best for mildew on grapes, roses. Prices: 1 lb. 10c; 5 lbs. 35c; 10 lbs. 65c.

**SOW BUG CONTROL.** Simply spread this powder in dry spots along walks, buildings, etc., with an old spoon. In moist places use Snarol as its effectiveness is increased by water. Price, Sow Bug Control: 1 lb. 50c; 5 lbs. $2.00

**RED ARROW.** Kill Chewing and Sucking Insects Safely—the perfected Garden Spray which combines Pyrethrum, Derris and Soap in convenient form. Mix with water and spray. Could anything be simpler? Prices: 1 oz. 35c; ¼ pt. $1.00; pt. $2.00; qt. $3.70; gal. $12.00.

**All items can be sent by parcel post or express at purchaser's expense.**

# GERMAIN'S PLANTING CHART

*T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

| VARIETY | Seed for 100 ft. row | Seed for 1 acre | Time of Planting | Put Rows Apart | Leave Plts Apart in Row | Crop Matures in about | Depth of Planting in Inches | Approximate Yield Per Acre |
|---|---|---|---|---|---|---|---|---|
| Artichoke, Globe | 2 Pkts. | 12 oz. T.* | October to May | 5 ft. | 3 ft. | 2nd Spring | 1 | -------- |
| Artichoke, Plants | 32 Plants | 3000 P | Dec. to April | 5 ft. | 3 ft. | Next Spring | -------- | -------- |
| Asparagus Seed | 1 oz. | 2 lbs. T.* | February to May | 6 ft. | 3 ft. | Third Spring | 1 | -------- |
| Asparagus Plants | 32 Plants | 11000 P | December to May | 4 ft. | 1 ft. | Next Spring | -------- | -------- |
| Beans, Bush | 1 lb. | 50 lbs. | Jan. to September | 3 ft. | 6 in. | 2 to 3 Months | 1 to 2 | 3 tons |
| Beans, Pole | ¾ lb. | 50 lbs. | Jan. to September | 3 ft. | 1½ ft. | 2 to 3 Months | 1 to 2 | 4 tons |
| Beet, Table | 2 oz. | 10 lbs. | All year | 2 ft. | 6 in. | 3 to 3½ Months | ¾ | 12 tons |
| Beet Stock | 2 oz. | 8 lbs. | September to May | 3 ft. | 1 ft. | 4 to6 Months | 1 | 50 tons |
| Broccoli | 1 Pkt. | 4 oz. T.* | Nov. to April | 2½ ft. | 1 ft. | 3½ Months | ¼ | -------- |
| Brussels Sprouts | 2 Pkts. | 4 oz. T.* | October to May | 2½ ft. | 1½ ft. | 5 Months | ½ | -------- |
| Cabbage, Early | 1 Pkt. | 4 oz. T.* | All Year | 2½ ft. | 1½ ft. | 3 to 4 Months | ½ | 12 tons |
| Cabbage, Late | 1 Pkt. | 4 oz. T.* | All Year | 2½ ft. | 1½ ft. | 4 to 5 Months | ½ | 12 tons |
| Carrot | 1 oz. | 4 lbs. | All Year | 18 in. | 4 in. | 4 Months | ¼ to ½ | 12 tons |
| Cauliflower | ¼ oz. | 4 oz. T.* | June to January | 3 ft. | 2 ft. | 4 to 6 Months | ½ | 500 doz. |
| Celery | 2 Pkts. | 5 oz. T.* | January to May | 3 ft. | 6 in. | 4 to 5 Months | Very shallow | 2000 doz. |
| Celeriac | 1 Pkt. | 6 oz. | January to May | 3 ft. | 6 in. | 4 to 5 Months | ⅛ | -------- |
| Chervil | 3 Pkts. | 1 lb. | Jan. to August | 30 in. | 5 in. | 2 Months | ¼ | -------- |
| Collards | 1 Pkt. | 8 oz. T.* | All Year | 3 ft. | 15 in. | 4 Months | ½ | -------- |
| Chicory | 1 oz. | 4 lbs. | September to May | 30 in. | 8 in. | 2 to 3 Months | ¼ | -------- |
| Corn Salad | ½ lb. | 5 lbs. | Feb. to Nov. | 30 in. | 8 in. | 2 to 3 Months | ¼ | -------- |
| Corn, Sweet | 2 Pkts. | 10 lbs. | March to Sept. | 36 in. | 18 in. | 2½ to 3 Months | 1 | 400 boxes |
| Cucumber | 1 Pkt. | 2 lbs. | March to Sept. | 6 ft. | 4 ft. | 2 to 3 Months | 1 | 600 boxes |
| Dandelion | 1 Pkt. | ¾ lb. | Sept. to April | 36 in. | 12 in. | 3 Months | ⅛ | -------- |
| Egg Plant | 1 oz. | 4 oz. T.* | January to August | 36 in. | 36 in. | 4 Months | ½ | 10 tons |
| Endive | 2 lbs. | 2 lbs. | August to May | 30 in. | 8 in. | 3 Months | ½ | 2000 doz. |
| Garlic (sets) | 70 Plants | 300 lbs. | Sept. to March | 30 in. | 6 in. | 5 to 6 Months | -------- | -------- |
| Horse Radish | 2 Pkts. | 10000 P | December to May | 30 in. | 18 in. | 6 Months | -------- | -------- |
| Kale | 1 Pkt. | 2 lbs. | All Year | 36 in. | 18 in. | 2 to 3 Months | ½ | -------- |
| Kohlrabi | ½ oz. | 2 lbs. | All Year | 30 in. | 6 in. | 4 Months | ½ | 12 tons |
| Leek | 2 Pkts. | 4 lbs. | Sept. to April | 24 in. | 6 in. | 4 Months | ½ | -------- |
| Lettuce | 3 Pkts. | 2 lbs. | All Year | 30 in. | 10 in. | 2 to 3 Months | ½ | 500 crates |
| Melons, Musk | 2 Pkts. | 1½ lbs. | March to July | 6 ft. | 6 ft. | 3 to 4 Months | 1 | 400 crates |
| Melons, Water | 1 oz. | 2 lbs. | March to July | 8 ft. | 10 ft. | 3 to 4 Months | 1 | 15 tons |
| Mustard | 1 Pkt. | 2 lbs. | All Year | 4 ft. | 2½ ft. | 3 to 5 Weeks | ½ | -------- |
| Okra | 1 oz. | 8 lbs. | April to July | 3 ft. | 18 in. | 3 Months | 1 | -------- |
| Onion seed | ½ oz. | 3 lbs. | Sept. to April | 24 in. | 4 in. | 4½ to 6 Months | ½ | 200 crates |
| Onion sets | 2 lbs. | 300 lbs. | All Year | 18 in. | 3 in. | 2 to 4 Months | -------- | -------- |
| Onion Seed for Sets | 2 oz. | 40 lbs. | All Year | 2 ft. | Drill | 2 to 3 Months | -------- | -------- |
| Parsley | 1 Pkt. | 4 lbs. | All Year | 24 in. | 6 in. | 3 Months | Very shallow | -------- |
| Parsnips | 2 Pkts. | 6 lbs. | All Year | 30 in. | 4 in. | 4 Months | ½ | 400 sks. |
| Peas | 1 lb. | 75 lbs. | All Year | 36 in. | 6 in. | 2 to 4 Months | 2 | 4 tons |
| Pepper | 1 Pkt. | 6 oz. T.* | January to July | 36 in. | 18 in. | 3 to 4 Months | ½ | 10 tons |
| Potatoes | 5 lbs. | 600 lbs. | Dec. to Sept. | 36 in. | 10 in. | 2 to 3 Months | 5 | 100 sks. |
| Potatoes, Sweet | 70 Plants | 10000 P | March to July | 36 in. | 18 in. | 3 to 4 Months | 3 | 150 sks. |
| Pumpkin | 2 Pkts. | 1 lb. | March to August | 10 ft. | 8 ft. | 3 to 4 Months | 1 | 20 tons |
| Radish | 1 oz. | 12 lbs. | All Year | 18 in. | 1 in. | 1 to 2 Months | ½ | -------- |
| Rhubarb | 2 Pkts. | 4 oz. | January to April | 5 ft. | 3 ft. | 2nd Spring | ½ | -------- |
| Rhubarb Roots | 33 Roots | 3000 P | December to May | 5 ft. | 3 ft. | Next Spring | 2 | -------- |
| Salsify | 1 oz. | 8 lbs. | February to Oct. | 30 in. | 4 in. | 4 Months | 1 | 8 tons |
| Spinach | 1 oz. | 20 lbs. | All Year | 24 in. | 2 in. | 40 to 65 Days | 1 | 6 tons |
| Squash, Bush | 2 Pkts. | 3 lbs. | February to Oct. | 4 ft. | 3 ft. | 2 Months | 1½ | -------- |
| Squash, Running | 2 Pkts. | 2 lbs. | February to Aug. | 8 ft. | 6 ft. | 3 to 4 Months | 1 | 12 tons |
| Tomato, Seed | 1 Pkt. | 3 oz. T.* | February to Aug. | 6 ft. | 6 ft. | 4 to 5 Months | 1 | -------- |
| Tomato, Plants | 35 Plants | 3000 P | March to Oct. | 5 ft. | 3 ft. | 2 to 3 Months | -------- | 10 tons |
| Turnip | 2 Pkts. | 4 lbs. | All Year | 24 in. | 6 in. | 3 to 4 Months | ½ | 12 tons |
| Turnip Rutabaga | 2 Pkts. | 3 lbs. | All Year | 24 in. | 8 in. | 3 to 4 Months | ½ | -------- |

## SPACING AND NUMBER PLANTS PER ACRE

| Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre | Distance Apart | No. of Trees or Plants per Acre |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 by 4 in. | 522,720 | 3 by 1 ft. | 14,520 | 4½ by 4½ ft. | 2,150 | 6 by 7 ft. | 1,031 | 11 by 11 ft. | 360 | 19 by 19 ft. | 120 |
| 4 by 4 in. | 392,040 | 3 by 2 ft. | 7,260 | 5 by 1 ft. | 18,712 | 6 by 8 ft. | 907 | 12 by 12 ft. | 302 | 20 by 20 ft. | 108 |
| 6 by 6 in. | 174,240 | 3 by 3 ft. | 4,840 | 5 by 2 ft. | 4,356 | 6 by 9 ft. | 806 | 14 by 14 ft. | 222 | 25 by 25 ft. | 69 |
| 1 by 1 ft. | 43,560 | 3½ by 3½ ft. | 3,555 | 5 by 3 ft. | 2,904 | 6 by 10 ft. | 726 | 15 by 15 ft. | 193 | 30 by 30 ft. | 48 |
| 1½ by 1½ ft. | 19,360 | 4 by 1 ft. | 10,890 | 5 by 4 ft. | 2,178 | 7 by 7 ft. | 888 | 16 by 16 ft. | 170 | 33 by 33 ft. | 40 |
| 2 by 1 ft. | 21,780 | 4 by 2 ft. | 5,445 | 5 by 5 ft. | 1,742 | 8 by 8 ft. | 680 | 16½ by 16½ ft. | 160 | 40 by 40 ft. | 27 |
| 2 by 2 ft. | 10,890 | 4 by 3 ft. | 3,630 | 5½ by 5½ ft. | 1,440 | 9 by 9 ft. | 537 | 17 by 17 ft. | 150 | 50 by 50 ft. | 17 |
| 2½ by 2½ ft. | 6,960 | 4 by 4 ft. | 2,722 | 6 by 6 ft. | 1,200 | 10 by 10 ft. | 435 | 18 by 18 ft. | 134 | 60 by 60 ft. | 12 |

## FIELD SEED DATA

| Field Seeds | Lbs. per Acre | How to Plant | Yield of Forage | Yield of Grain Lbs. |
|---|---|---|---|---|
| Alfalfa | 20 | Drill or broadcast | 2 to 10 tons | 600 |
| Beans, Field: | | | | |
| Pink | 30 | Drill | | |
| Navy | 20 | Drill | | |
| Sojo | 30 | Drill | Cover crop | |
| Eng. or broad | 50 | Drill in rows 2 ft. apart | Cover crop | 2000 |
| Bell | 40 | Drill in rows 2 ft. apart | | |
| Small Manchurian | 50 | Drill in rows 2 ft. apart | | |
| Buckwheat | 30 | Drill | Cover crop | 1500 |
| Clover: | | | | |
| Alsike | 10 | Drill | Hay or pasture | |
| Burr Clover | 15 | Drill or broadcast | Pasture or cover crop | |
| Ladino | 8 | Broadcast | Green feed | |
| Melilotus Indica | 20 | Drill or broadcast | | |
| Melilotus Alba | 20 | Drill or broadcast | | |
| Red | 15 | Drill | Pasture or hay | |
| White | 12 | Broadcast | Lawn | |
| Corn: | | | | |
| Field | 10 | Drill 2 ft. apart in rows 3 ft. apart | | |
| Ensilage | 75 | Drill 1 ft. apart in rows 30 in. apart | | 3000 to 4000 |
| Egyptian | 6 | Drill in rows 3 ft. apart | 2 tons dry | 2500 to 4000 |
| Hegari | 6 | Drill in rows | | |
| Kaffir | 6 | Drill in rows 3 ft. apart | | |
| Feterita | 6 | Drill in rows 3 ft. apart | 2 tons dry | 2500 to 4000 |
| Milo Maize | 6 | Drill in rows 3 ft. apart | Green feed or pasture | 2000 to 2500 |
| Broom | 8 | Drill in rows 3 ft. apart | ½ ton broom straw | 1500 to 2000 |
| Flax | 40 | Drill | Fibre | 2500 |
| Grain: | | | | |
| Barley | 100 | Drill or broadcast | 2 to 4 tons hay | 2000 to 3000 |
| Oats | 80 | Drill or broadcast | 3 tons hay | 2000 |
| Rye | 60 | Drill | Pasture or cover crop | 2000 |
| Grass: | | | | |
| Alfileria | 5 | Drill or broadcast | Pasture | |
| Bermuda | 10 | Broadcast | Pasture or hay | |
| Brome | 20 | Broadcast | Pasture mixture | |
| Dallas | 12 | Broadcast | Pasture | |

| Field Seeds | Lbs. per Acre | How to Plant | Yield of Forage | Yield of Grain Lbs. |
|---|---|---|---|---|
| Grass: | | | | |
| Chewing Fescue | 20 | Broadcast | Pasture mixture | |
| Crested Dogstail | 30 | | | |
| Ky. Blue for Pasture | 50 | Broadcast | Pasture mixture | |
| Ky. Blue for Lawn | 175 | Broadcast | | |
| Orchard | 30 | Broadcast | Pasture mixture | |
| Rye | 40 | Broadcast | | 2000 |
| Red Top | 15 | Broadcast | Hay and Pasture | |
| Timothy | 20 | | Pasture Mixture | |
| Mesquite | 15 | | | |
| Rhodes | 12 | Broadcast | Cut 2 tons per acre 3 times or pasture | |
| Sudan Drill | 15 | | 12 tons hay or pasture | |
| Sudan Broadcast | 20 | | 12 tons hay or pasture | |
| Millets: | | | | |
| Common Proso | 75 | Drill or broadcast | Poultry feed | |
| German | 30 | Drill or broadcast | 4 tons hay | 70 to 80 bu. |
| Sorghum (Drilled) | 5 | Drill in rows 30 in. apart | 15 tons green | |
| Peas, Field: | | | | |
| Canadian | 75 | Broadcast | Cover crop | |
| Pea, Cow: | | | | |
| Whippoorwill | 60 | Drill 1 ft. apart in rows 3 ft. apart | Pasture or cover crop | 1000 |
| Blackeye | 30 | Drill 1 ft. apart in rows 3 ft. apart | Cover crop | 1500 to 2500 |
| Brabham | 60 | Drill 1 ft. apart in rows 3 ft. apart | Cover crop | |
| Vetch, Purple | 40 | Drill or broadcast | Cover crop - hay - silage | |
| Common | 60 | Drill or broadcast | Cover crop | |
| Peanuts in shell | 35 | Drill | | |
| Rape | 10 | Drill | Pasture or green poultry feed | |
| Rice | 80 | Drill | | 3000 |
| Sunflower | 10 | Drill in rows 3 ft. apart | | 2000 |

NEW BOYSEN BERRY

NEW BABCOCK PEACH

## NEW BOYSEN BERRY — The Best Berry Ever Grown

Think of a berry twice the size of the Youngberry (by actual count it took 35 Boysen Berries per basket while the Youngberry needed 70 to fill)—a berry that has the succulence and flavor of the best Blackberry you ever ate together with the tang of the Raspberry and a suggestion of the Loganberry.

The vine is the largest berry vine or bush ever seen, produces over a longer period than the Youngberry and the production is practically double. The fruit (as pictured) is like the Youngberry with a much finer flavor and less seedy. Superior also to other berries for canning and stands shipment better.

The writer has tasted these berries in every form possible, and eaten fresh or with cream, canned, in jam or jelly, or in pies and tarts it is absolutely superior in every way to any other berry grown.

Prices: 35c each, 3 for $1.00, 10 for $2.50, 100 for $20.00

**The stock for this season is very limited and we strongly urge you to place your order early.**

## NEW THORNLESS LOGANBERRY — Plant Patent No. 82

Earlier, longer producing and more prolific than the common Loganberry. Heavier foliage and stronger cane growth. Larger fruit with the same flavor and color. And absolutely thornless. A very worthwhile addition to the berry family.

Prices: 35c each, 3 for $1.00, 10 for $2.50, 100 for $20.00

## NEW KOSMO BLACKBERRY — Offered on Page 103

A new blackberry introduced last season which has proven its worth.

## NEW PARADISE ASPARAGUS — Offered on Page 103

This new asparagus we believe will rapidly supersede the varieties now in use.

## NEW BABCOCK PEACH — The Sure Crop Peach

The most important feature of the Babcock is that it will always bear a crop every year regardless of winter temperatures. This was proven definitely the past season when because of the mild winter the Babcock and the C. O. Smith varieties were the only ones to bear a uniformly good crop. Most Peaches, whenever we have a very mild winter with some warm weather in February, react unfavorably and do not set a normal crop, so that a crop is lost on most varieties about every third or fourth year.

Entirely aside from the above feature, Babcock is an excellent Peach. It ripens early, in the latter part of June when Peaches are still very scarce, is white fleshed, has a beautiful red cheek, and is of exceptionally high quality, being sweet, juicy and richly flavored, much superior to most other early peaches which are frequently rather watery. The New Babcock is a freestone variety.

4 to 6-foot trees 70c each; 10 for $6.00; 100 for $40.00
3 to 4-foot trees 60c each; 10 for $5.00; 100 for $35.00

## THE C. O. SMITH PEACH — Ideal Home Garden Variety

The same experimental work that produced the Babcock also resulted in the new C. O. Smith Peach named after one of its originators. It produces a crop regularly and is not subject to the delayed foliation common to other varieties in our mild climate resulting in a loss of crop. Larger and somewhat later than the Babcock with richly flavored and juicy white flesh. A splendid variety for the home orchard but not as good a commercial variety as the Babcock.

4 to 6-foot trees 70c each; 10 for $6.00

**Insure Peaches Every Year with Babcock and C. O. Smith**

## NEW MARIPOSA PLUM — Patent Applied For

The honey-like sweetness, the abundant juice and surpassing flavor of this new plum will surprise you. Large, round fruit, maroon color and overlaid with a lilac blush. Small pitted, extremely firm and bright red throughout. Similar in type to the Satsuma but far superior in flavor, size and sweetness. An excellent variety in every way.

4 to 6-foot trees 85c each; 10 for $7.50.

For Other Specialties in Fruit Trees and Berry Plants, see pages 103 to 106 inclusive.

## THE NEW CLIMBING ROSE BLAZE

EVERBLOOMING PAUL'S SCARLET CLIMBER

U. S. Plant Patent No. 10

Blaze truly justifies its name. It is a marvelous, hardy, ever-blooming scarlet-red Rose combining the bloom and growth of Paul's Scarlet Climber with the ever-blooming character of Gruss an Teplitz, Blaze being a seedling of these varieties. A very vigorous grower and seldom out of bloom. In bloom the plants are covered with blossoms from top to bottom. It is truly a magnificent sight. The bush can be trained low for bedding purposes; medium for shrub use; or used as a climber.

$1.50 each - Postpaid $1.60

NEW ROSE BLAZE

# GERMAIN'S NEW MINIATURE TRITOMA HYBRIDS

The colored illustration above gives one but a faint idea of the beauty of this new introduction. An entirely distinct species from the common Tritoma or "Red Hot Poker" as it is commonly called.

Beautifully attractive flowers smaller in size than the older type, decidedly more graceful and dainty, and with a much greater range of colors and shadings. Clear reds, pinks, yellows, salmons, and other soft shades predominate together with glorious combinations of these colors. The flower stems are slender and are splendid for cutting. In bloom from early spring to late summer they are particularly effective for garden display. Useful for planting in the rockery, along walks or terraces, in the perennial bed or in any sunny position.

**Strong division in blooming size, 30c each, 4 for $1.00**
**$2.75 Dozen Postpaid**

## NEW DOUBLE GERBERAS

A wonderful development in the Gerbera is this new double form. A flower of impressive size, magnificent form and charming coloring. The blossoms last fully ten days after cutting and are to be had in the same color range as the single form. In mixture only.

**35c Each. $3.50 Dozen Postpaid**

## GERMAIN'S SELECT GERBERAS

The striking beauty of these graceful flowers has established its popularity. It is an excellent garden plant and at the same time one of the most beautiful of cut flowers. Handsome blooms of extra large size in a color range that embraces salmons, pinks, reds, yellows and their variations are a distinct feature of Germain's Selected Strain. These are borne on long, wiry stems making them ideal for cutting and will easily keep over a week. Strong plants are available in mixture.

**25c Each. $2.50 Dozen Postpaid**

# GERMAIN'S

## "Wonder"

# IRIS

## Collection

**Six Superb Modern varieties illustrated on this page.**

What a remarkable difference between the newer type of Iris as compared with the old "Flag," such a common flower in the garden. The exquisite form, grace beauty, and color in the later developments are almost impossible to describe but we can assure you that your garden will blossom out with a rare beauty that will catch at your throat, with the wonder of it. Soul stirring, giving one a glimpse of Nature's handiwork, selected and guided by a few people of genius having the rare gift of their art in improving on Nature.

**AMBASSADEUR** (Upper left)
If you want just one Iris, buy Ambassadeur. It was voted by far the most popular Iris in the world by the membership of the American Iris Society, receiving 111 votes against 83 for its next nearest competitor and only eleven varieties receiving more than 50 votes. The decision was, therefore, overwhelming.

It is a gigantic flower of rich coloring, perfect form, good texture, on stout erect stems. There is a blending of colors that makes any description inadequate. It is a dark blend, but placed where the sun's rays show through it, the effect is rich ruby red. Late.
**35c each**

**MONNIERI** (Upper Right)
Beardless.
Spuria type.
Very tall with long slender leaves. Flowers large and of deep golden yellow. A fine variety for cutting. The requirements for this variety are almost opposite from those of the bearded irises, in that it does best in moist rich soils. Blooms after the bearded irises. **50c each.**

**OPERA** (Center left)
This rich violet-red-toned bi-color is deservedly one of our most popular varieties. Even the beard is of a distinctly reddish tone. The falls are like a piece of velvet. **35c each.**

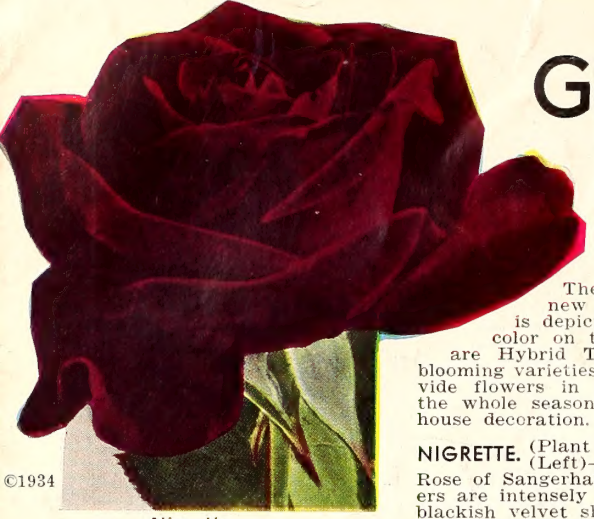
**SANTA BARBARA** (Center right)
This is the finest of the pure lavender blues. The size, substance, spreading horizontal falls, well branched stalks and the vigor of growth entitle this beautiful iris to be rated with the highest. Award of Merit, R. H. S. **35c each.**

**"E" YELLOW** (Lower left)
Deep buttercup yellow. Good substance. Low growing. One of the clearest of the yellow shades showing a distinct improvement over older varieties. Suitable for rock gardens, borders, or mass planting. **25c each.**

**EDOUARD MICHEL** (Lower right)
A large flower, the standards and falls both being ruffled in a clear shade of rose red. An exceptionally beautiful color. Extremely fragrant. **25c each**

**A $2.05 value for $1.25**
**Entire Wonder Collection $1.25 Postpaid.**

# GERMAIN'S SELECT NEW ROSES



Nigrette

The cream of the new Roses for 1935 is depicted for you in color on this page. All are Hybrid Teas or Everblooming varieties that will provide flowers in profusion over the whole season for garden or house decoration.

**NIGRETTE.** (Plant Patent No. 87.) (Left)—"The Black Rose of Sangerhausen." The flowers are intensely deep maroon with blackish velvet sheen and are deliciously fragrant. It is the darkest of roses—appearing almost black. The plant is continuously in bloom. The sensation of the European rose world is now available for the first time in this country. $2.00 each.

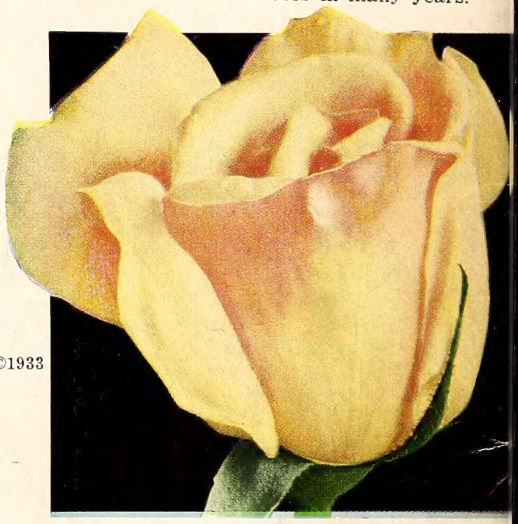
Mary Hart

**MARY HART.** (Plant Patent No. 8.) (Right)—This rose could very properly be called "Red Talisman," being a unique sport of that variety. The bud is maroon-red, opening to large, well-formed blooms of deep velvety blood-red, with an overglow of amber, but the most remarkable feature is the total absence of yellow. A heavy producer. $1 ea.

Countess Vandal

**COUNTESS VANDAL.** (Plant Patent No. 38.) (Left)—A hybrid tea with long, pointed bud and distinctive shadings of coppery bronze suffused with gold. The open flower furnishes an unusual arrangement of reflexed petals with a silvery sheen. A vigorous grower and a profuse bloomer, 25 to 30 buds and blooms on long stems at one time being not at all uncommon. One of the finest roses in many years. $1.00 each.

**Collection**
**GERMAIN'S**
**NEW ROSES**
One each of the six New Roses described and illustrated on this page
**$8.50**
**Postpaid**



Amelia Earhart

**AMELIA EARHART.** (Plant Patent No. 63.) (Right)—Truly a "magnum" Pernet, large, yellow, vigorous. Large ovoid bud, cream with blushes; flowers very full, graduating from a deep yellow center to an outer collarette of large cream petals with a blush overtone; extremely fragrant, strong grower, free bloomer, leathery dark green foliage. A worthwhile addition to any garden. $1.50 each.

Better Times

**BETTER TIMES.** (Plant Patent No. 23.) (Left)—The brilliant cerise flowers are large, double and delicately fragrant. Being produced on long, strong stems, they are excellent for cutting; foliage is leathery, dark green; a very free full bloomer. Its success is an indication of the name. $1.50 each.

**TOKEN.** (Plant Patent No. 95.) (Right): Large Ophelia shaped bud. The full, double flowers are a single toned glowing orange; a unique color. It is a free bloomer and has an upright growth in the garden. The flowers are very lasting and are pleasing at all stages. The glossy foliage is disease-resistant. $1.50 each.